For Research Use Only

TFEB Polyclonal antibody Catalog Number:13372-1-AP Featured Product

Featured Product





	Catalog Number: 13372-1-AP	GenBank Accession N BC032448		ation Method: n affinity purification	
	Concentration:	GenelD (NCBI):	-	mended Dilutions:	
	800 ug/ml 7942 WB: 1:: Source: UNIPROT ID: IP: 0.5- Rabbit P19484 protein IHC: 1: IHC: 1: IHC: 1:		.000-1:6000		
				IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate	
			IHC: 1:50-1:500		
	lsotype: lgG			IF/ICC: 1:50-1:500	
	Immunogen Catalog Number: AG4194	Calculated MW: 476 aa, 53 kDa			
		Observed MW: 65-70 kDa			
Applications	Tested Applications:		Positive Controls:		
	WB, IHC, IF/ICC, IP, ELISA Cited Applications: WB, IHC, IF, IP, CoIP, Wes Immunoassay		WB : A549 cells, Jurkat cells, HeLa cells, human placenta tissue, NIH/3T3 cells, rat brain tissue, HEK- 293 cells, Raji cells, C2C12 cells, RAW 264.7 cells, mouse heart tissue, rat heart tissue		
	Species Specificity:				
	human, mouse, rat		IP : Raji cells,		
	Cited Species: human, mouse, rat, monkey, zebrafish, bovine		IHC : human renal cell carcinoma tissue, rat spleen tissue		
	Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0		IF/ICC : HeLa cells,		
Rackground Information	Transcription factor EB(TFEB) is one of the transcription factors that contain a basic HLH-ZIP domain(for DNA binding) and HLH and ZIP domains(for loigomerization). TFEB specifically recognizes and binds to E-box sequences, which required dimerization with itself or another MiT/TFE family member. It plays a role in T-cell-dependent antibody responses to activated CD4+ T-cells and thymus-dependent humoral immunity once associated with TFE3. It also activates lysosomal gene by binding the CLEAR-box sequence in the regulatory region. It involves in the signal transduction processes required for normal vascularization of the placenta. This is a rabbit polyclonal antibody raised against the full length of human TFEB. The calculated molecular weight of TFEB is 53 kDa, but modified TFEI is about 65-70 kDa (PMID: 12837690). TFEB mainly present in the cytoplasm (PubMed:23434374). Under aberrant lysosomal storage conditions, it translocates from the cytoplasm to the nucleus (PubMed:23434374). Fisetin increases the levels of TFEB localized in nuclei (PMID: 27112200).				
	required dimerization with itself responses to activated CD4+ T-cel activates lysosomal gene by bind transduction processes required for raised against the full length of h is about 65-70 kDa (PMID: 128376 lysosomal storage conditions, it t	Ils and thymus-dependent ling the CLEAR-box sequen or normal vascularization uman TFEB. The calculate 90). TFEB mainly present ranslocates from the cytop	humoral immunity onco nee in the regulatory reg of the placenta. This is a d molecular weight of Th in the cytoplasm (PubMe lasm to the nucleus (Pu	in T-cell-dependent antibody e associated with TFE3. It also ion. It involves in the signal rabbit polyclonal antibody FEB is 53 kDa, but modified TFE ed:23434374). Under aberrant	
	required dimerization with itself responses to activated CD4+ T-cel activates lysosomal gene by bind transduction processes required for raised against the full length of h is about 65-70 kDa (PMID: 128376 lysosomal storage conditions, it t increases the levels of TFEB local	Ils and thymus-dependent ling the CLEAR-box sequen or normal vascularization uman TFEB. The calculate 90). TFEB mainly present ranslocates from the cytop ized in nuclei (PMID: 2711	humoral immunity onco nee in the regulatory reg of the placenta. This is a d molecular weight of TI in the cytoplasm (PubMa lasm to the nucleus (Pu 2200).	in T-cell-dependent antibody e associated with TFE3. It also ion. It involves in the signal rabbit polyclonal antibody FEB is 53 kDa, but modified TFE ed:23434374). Under aberrant bMed:23434374). Fisetin	
	required dimerization with itself responses to activated CD4+ T-cel activates lysosomal gene by bind transduction processes required for raised against the full length of h is about 65-70 kDa (PMID: 128376 lysosomal storage conditions, it t increases the levels of TFEB local Author	Ills and thymus-dependent ling the CLEAR-box sequen- or normal vascularization uman TFEB. The calculate 90). TFEB mainly present ranslocates from the cytop ized in nuclei (PMID: 2711 Pubmed ID Journ	humoral immunity onco nee in the regulatory reg of the placenta. This is a d molecular weight of TI in the cytoplasm (PubMe clasm to the nucleus (Pu 2200).	e in T-cell-dependent antibody e associated with TFE3. It also ion. It involves in the signal rabbit polyclonal antibody FEB is 53 kDa, but modified TFE ed:23434374). Under aberrant bMed:23434374). Fisetin	
Background Information	required dimerization with itself responses to activated CD4+ T-cel activates lysosomal gene by bind transduction processes required fr raised against the full length of h is about 65-70 kDa (PMID: 128376 lysosomal storage conditions, it t increases the levels of TFEB local Author Bin Li	Ills and thymus-dependent ling the CLEAR-box sequen- or normal vascularization uman TFEB. The calculate 90). TFEB mainly present ranslocates from the cytop ized in nuclei (PMID: 2711 Pubmed ID Journ 32950676 Bioch	humoral immunity onc nce in the regulatory reg of the placenta. This is a d molecular weight of Tl in the cytoplasm (PubMe lasm to the nucleus (Pu 2200). mal	e in T-cell-dependent antibody e associated with TFE3. It also ion. It involves in the signal rabbit polyclonal antibody FEB is 53 kDa, but modified TFE ed:23434374). Under aberrant bMed:23434374). Fisetin Application sis Dis WB,IF	
	required dimerization with itself responses to activated CD4+ T-cel activates lysosomal gene by bind transduction processes required for raised against the full length of h is about 65-70 kDa (PMID: 128376 lysosomal storage conditions, it t increases the levels of TFEB local Author	Ills and thymus-dependent ling the CLEAR-box sequen- or normal vascularization uman TFEB. The calculate 90). TFEB mainly present ranslocates from the cytop ized in nuclei (PMID: 2711 Pubmed ID Journ 32950676 Bioch 34575099 Life (humoral immunity onco nee in the regulatory reg of the placenta. This is a d molecular weight of TI in the cytoplasm (PubMe clasm to the nucleus (Pu 2200).	e in T-cell-dependent antibody e associated with TFE3. It also ion. It involves in the signal rabbit polyclonal antibody FEB is 53 kDa, but modified TFF ed:23434374). Under aberrant bMed:23434374). Fisetin	
	required dimerization with itself responses to activated CD4+ T-cel activates lysosomal gene by bind transduction processes required for raised against the full length of h is about 65-70 kDa (PMID: 128376 lysosomal storage conditions, it t increases the levels of TFEB local Author Bin Li Zhiyuan Wu	Ills and thymus-dependent ling the CLEAR-box sequen- or normal vascularization uman TFEB. The calculate 90). TFEB mainly present ranslocates from the cytop ized in nuclei (PMID: 2711 Pubmed ID Journ 32950676 Bioch 34575099 Life (humoral immunity onc nee in the regulatory reg of the placenta. This is a d molecular weight of Ti in the cytoplasm (PubMu lasm to the nucleus (Pu 2200). mal im Biophys Acta Mol Ba Basel)	e in T-cell-dependent antibody e associated with TFE3. It also ion. It involves in the signal rabbit polyclonal antibody FEB is 53 kDa, but modified TFI ed:23434374). Under aberrant bMed:23434374). Fisetin Application sis Dis WB,IF	

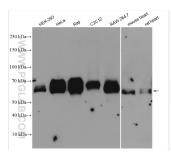
T: 4006900926

For technical support and original validation data for this product please contact: E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

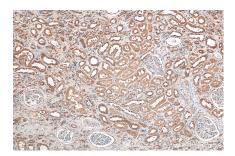
Selected Validation Data



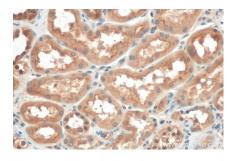
Various lysates were subjected to SDS PAGE followed by western blot with 13372-1-AP (TFEB antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



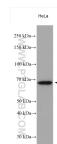
Jurkat cells were subjected to SDS PAGE followed by western blot with 13372-1-AP (TFEB antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



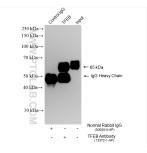
Immunohistochemical analysis of paraffinembedded human renal cell carcinoma tissue slide using 13372-1-AP (TFEB antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



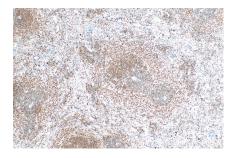
Immunohistochemical analysis of paraffinembedded human renal cell carcinoma tissue slide using 13372-1-AP (TFEB antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

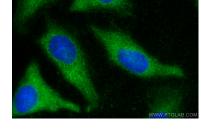


HeLa cells were subjected to SDS PAGE followed by western blot with 13372-1-AP (TFEB antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



IP result of anti-TFEB (IP:13372-1-AP, 4ug; Detection:13372-1-AP 1:10000) with Raji cells lysate 2800 ug.





Immunohistochemical analysis of paraffinembedded rat spleen tissue slide using 13372-1-AP (TFEB antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using TFEB antibody (13372-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).