For Research Use Only

TRAF4 Monoclonal antibody

Catalog Number:66755-1-Ig Featured Product 2 Publications

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Basic Information

Catalog Number:
66755-1-Ig

Size:
1900 μg/ml

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG27221

GenBank Accession Number:
BC001769

GeneID (NCBI):
9618

UNIPROT ID:
Q9BUZ4

Full Name:
TNF receptor-associated factor 4

Calculated MW:
54 kDa

Observed MW:
50-54 kDa

Purification Method:
Protein A purification

CloneNo.:
2C9A11

Recommended Dilutions:
WB 1:1000-1:6000
IHC 1:200-1:800
IF 1:50-1:500

Applications

Tested Applications:
IF/ICC, IHC, WB, ELISA

Cited Applications:
IF, WB

Species Specificity:
Human, pig

Cited Species:
human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : Jurkat cells, HeLa cells, THP-1 cells, U-937 cells, NCCIT cells, human brain tissue, pig brain tissue, HEK-293 cells, Ramos cells, Daudi cells, Raji cells, pig spleen tissue

IHC : human urothelial carcinoma tissue, human lung cancer tissue, human breast cancer tissue

IF : HeLa cells,

Background Information

The tumor necrosis factor receptor-associated factor (TRAF) family, consisting of seven members (TRAF1-7), is a group of signaling adaptors which participate in various signaling pathways through binding of the tumor necrosis factor receptor superfamily. As one of the important member of TRAF family proteins, TRAF4 was initially isolated from breast carcinomas and identified as the first member of the TRAF family to be up-regulated in human carcinomas. TRAF4 is required during embryogenesis in key biological processes including the formation of the trachea, the development of the axial skeleton, and the closure of the neural tube. TRAF4 deficiency leads to severe developmental alterations.

Notable Publications

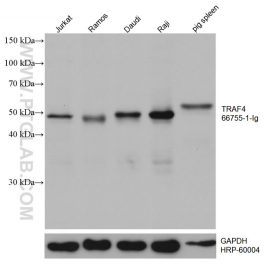
Author	Pubmed ID	Journal	Application
Hongyu Gu	36077559	Int J Mol Sci	WB,IF
Jun Zhou	32304412	Anticancer Drugs	WB

Storage

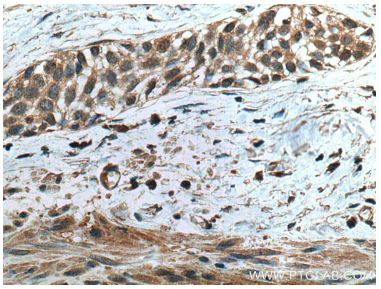
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

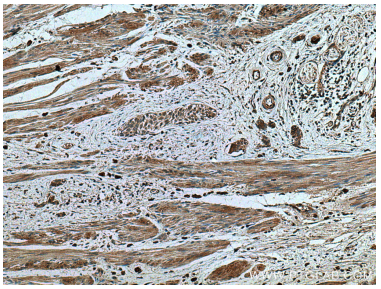
Selected Validation Data



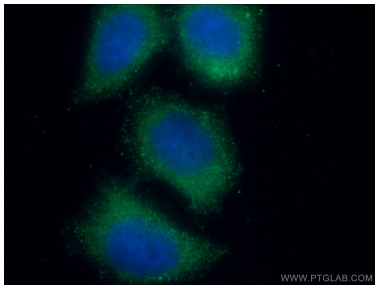
Various lysates were subjected to SDS PAGE followed by western blot with 66755-1-Ig (TRAF4 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



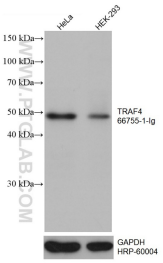
Immunohistochemical analysis of paraffin-embedded human urothelial carcinoma tissue slide using 66755-1-Ig (TRAF4 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human urothelial carcinoma tissue slide using 66755-1-Ig (TRAF4 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 66755-1-Ig (TRAF4 antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



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