

For Research Use Only

DUSP16 Polyclonal antibody

Catalog Number: 14237-1-AP **2 Publications**



Basic Information

Catalog Number: 14237-1-AP	GenBank Accession Number: BC042101	Purification Method: Antigen affinity purification
Size: 500 µg/ml	GeneID (NCBI): 80824	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q9BY84	
Isotype: IgG	Full Name: dual specificity phosphatase 16	
Immunogen Catalog Number: AG5479	Calculated MW: 73 kDa	
	Observed MW: 70 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : PC-12 cells, COLO 320 cells, HeLa cells, mouse brain tissue IHC : human colon tissue, human breast cancer tissue
Cited Applications: WB	
Species Specificity: human, mouse, rat	
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	

Background Information

DUSP16, also known as MKP-7, is a mitogen-activated protein kinase phosphatase that is a member of the dual specificity protein phosphatase subfamily. DUSP16 dephosphorylates JUN kinases (JNKs) specifically and thereby regulates T-cell differentiation, which can be responsible for the pathogenesis of Burkitt's lymphoma and cerebral ischemia. DUSP16 was also found to induce the expression of VCAM-1 through the suppression of JNK signaling.

Notable Publications

Author	Pubmed ID	Journal	Application
Ze-Qing Pu	34088892	Cell Death Discov	WB
Qilin Feng	37913572	Int Immunopharmacol	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:

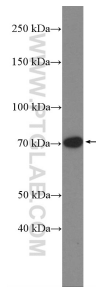
T: 4006900926

E: Proteintech-CN@ptglab.com

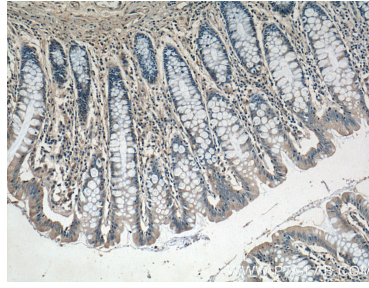
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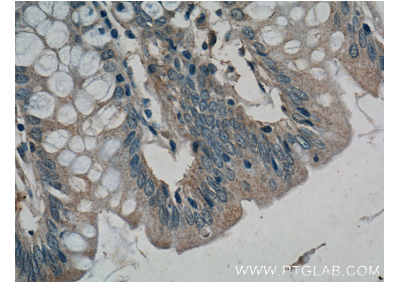
Selected Validation Data



PC-12 cells were subjected to SDS PAGE followed by western blot with 14237-1-AP (DUSP16 Antibody) at dilution of 1:600 incubated at 4 degree celsius over night.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 14237-1-AP (DUSP16 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 14237-1-AP (DUSP16 Antibody) at dilution of 1:200 (under 40x lens).