

# DUSP16 Polyclonal antibody

Catalog Number: 14237-1-AP

3 Publications

## Basic Information

## Catalog Number:

14237-1-AP

## Size:

500 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG5479

## GenBank Accession Number:

BC042101

## GeneID (NCBI):

80824

## UNIPROT ID:

Q9BY84

## Full Name:

dual specificity phosphatase 16

## Calculated MW:

73 kDa

## Observed MW:

70 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

## Applications

## Tested Applications:

IHC, WB, ELISA

## Cited Applications:

WB, IHC

## 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**

## Positive Controls:

**WB:** PC-12 cells, COLO 320 cells, HeLa cells, mouse brain tissue

**IHC:** human colon tissue, human breast cancer tissue

## 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
Ya-Min Hou	38583797	J Mol Cell Cardiol	IHC
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

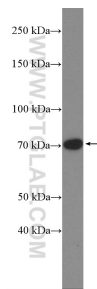
For technical support and original validation data for this product please contact:

T: 4006900926

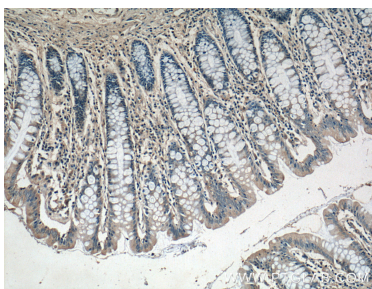
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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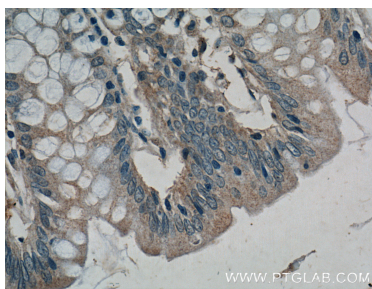
## Selected Validation Data



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).