

For Research Use Only

DUSP6 Polyclonal ANTIBODY



Catalog Number: 10433-1-AP **4 Publications**

Basic Information

Catalog Number: 10433-1-AP	GenBank Accession Number: BC003562	Purification Method: Antigen affinity purification
Size: 150UL, Concentration: 333 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 1848	
Source: Rabbit	Full Name: dual specificity phosphatase 6	
Isotype: IgG	Calculated MW: 42 aa, 3 kDa	
Immunogen Catalog Number: AG0705		

Applications

Tested Applications:
ELISA

Cited Applications:
IHC, WB

Species Specificity:
human

Cited Species:
human, mouse, rat

Background Information

Dual specificity phosphatase 6 (DUSP6) is a member of the family of mitogen-activated protein kinase (MAPK) phosphatases, which dephosphorylate and inactivate MAPK (PMID: 9858808). The MAPK pathway is an important signal transduction system that serves cellular processes, such as proliferation, differentiation, migration, and apoptosis. DUSP6 resides at chromosome location 12q22-23, which is one of the candidate loci for susceptibility to bipolar disorder and which encodes a phosphatase selective for extracellular signal-regulated kinase (ERK) (PMID: 9205128). DUSP6 inactivates extracellular signal-regulated kinase (ERK), and can act in tumor suppressive pathways, whose expression is reduced in several different types of cancer. (PMID: 21680106).

Notable Publications

Author	Pubmed ID	Journal	Application
Yi-Ping Leng	28631302	Br J Pharmacol	WB
Bo Yang	24709168	Chin Med J (Engl)	IHC
Jeong Hyo-Soon HS	22544520	Mol Cell Biochem	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.1% 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: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data