Product Datasheet

DUSP6 Antibody

Catalog No: #31069

Package Size: #31069-1 50ul #31069-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	DUSP6 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	ELISA WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total DUSP6 protein.
Immunogen Type	Recombinant protein
Immunogen Description	Fusion protein corresponding to a region derived from 206-381 amino acids of human dual specificity phosphatase 6
Target Name	DUSP6
Other Names	dual specificity phosphatase 6, MKP3, PYST1
Accession No.	Swiss-Prot:Q16828Gene ID:1848;
Uniprot	Q16828
GeneID	1848;
Concentration	0.4mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C/1 year

Application Details

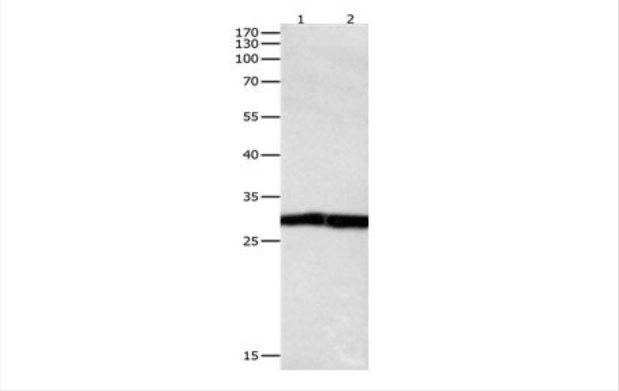
Predicted MW: 27kd

ELISA: 1:1000-1:5000

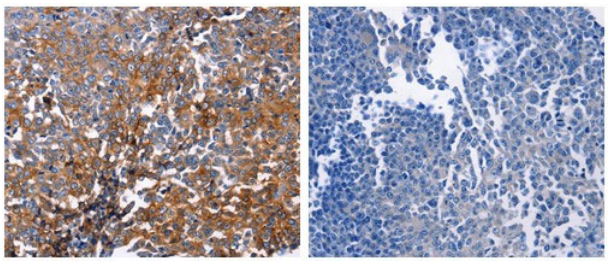
Western blotting: 1:500-1:2000

Immunohistochemistry: 1:25-1:100

Images



Gel: 10%SDS-PAGE
Lane1: Jurkat cell lysate
Lane2: Human fetal kidney tissue lysate
Lysates: 30ug per lane
Primary antibody: 1/450 dilution
Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution
Exposure time: 1 minute



The image on the left is immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using 31069(DUSP6 Antibody) at dilution 1/25, on the right is treated with the fusion protein.

Background

The protein encoded by this gene is a member of the dual specificity protein phosphatase subfamily. These phosphatases inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. They negatively regulate members of the mitogen-activated protein (MAP) kinase superfamily (MAPK/ERK, SAPK/JNK, p38), which are associated with cellular proliferation and differentiation. Different members of the family of dual specificity phosphatases show distinct substrate specificities for various MAP kinases, different tissue distribution and subcellular localization, and different modes of inducibility of their expression by extracellular stimuli. This gene product inactivates ERK2, is expressed in a variety of tissues with the highest levels in heart and pancreas, and unlike most other members of this family, is localized in the cytoplasm. Two transcript variants encoding different isoforms have been found for this gene.?

Note: This product is for in vitro research use only