OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TA321339S

DUSP4 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: RAW264.7 cells IHC: 50-150 Positive control: Human ovarian cancer Predicted cell location: Cytoplasm, Nucleus
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to a region derived from 197-394 amino acids of human dual specificity phosphatase 4
Formulation:	PBS pH7.3, 0.05% NaN3, 50% glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	43 kDa
Gene Name:	dual specificity phosphatase 4
Database Link:	NP_001385 Entrez Gene 60587 RatEntrez Gene 319520 MouseEntrez Gene 1846 Human Q13115

View online »

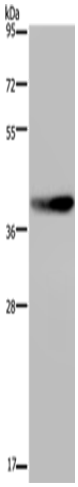
Background: The protein encoded by this gene is a member of the dual specificity protein phosphatase subfamily. These phosphatases inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. They negatively regulate members of the mitogen-activated 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 ERK1; ERK2 and JNK; is expressed in a variety of tissues; and is localized in the nucleus. Two alternatively spliced transcript variants; encoding distinct isoforms; have been observed for this gene. In addition; multiple polyadenylation sites have been reported.

Synonyms: HVH2; MKP-2; MKP2; TYP

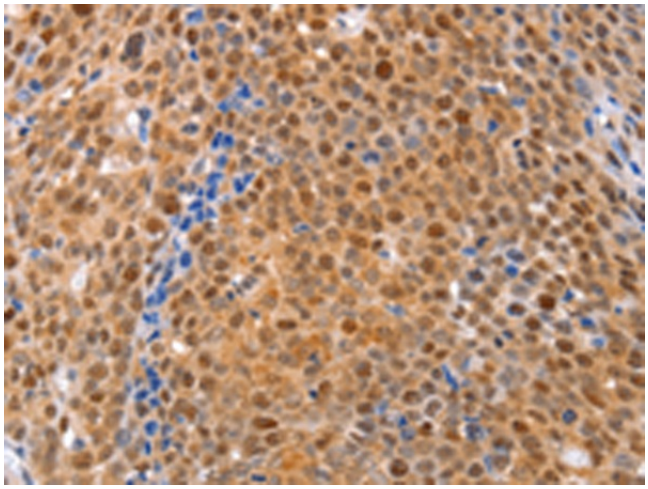
Protein Families: Phosphatase

Protein Pathways: MAPK signaling pathway

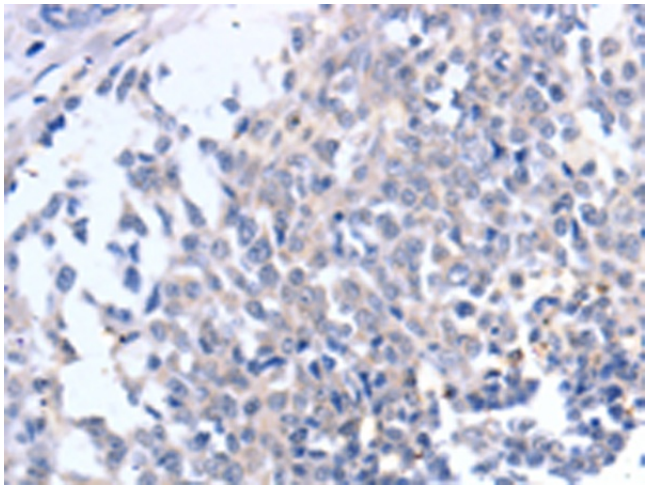
Product images:



Gel: 10%SDS-PAGE
Lysate: 30 µg
Lane: RAW264.7 cells
Primary antibody: [TA321339] (DUSP4 Antibody) at dilution 1/600
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 1 minute



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using [TA321339] (DUSP4 Antibody) at dilution 1/30 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using [TA321339] (DUSP4 Antibody) at dilution 1/30, treated with fusion protein. (Original magnification: ×200)