

Product datasheet for **TA322432S**

DUSP12 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: Jurkat cells IHC: 25-100 Positive control: Human brain Predicted cell location: Cytoplasm, Nucleus
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Full length fusion protein
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 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:	38 kDa
Gene Name:	dual specificity phosphatase 12
Database Link:	NP_009171 Entrez Gene 64014 Rat Entrez Gene 80915 Mouse Entrez Gene 11266 Human Q9UNI6



[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 is 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 is the human ortholog of the *Saccharomyces cerevisiae* YVH1 protein tyrosine phosphatase. It is localized predominantly in the nucleus; and is novel in that it contains; and is regulated by a zinc finger domain.

Synonyms:

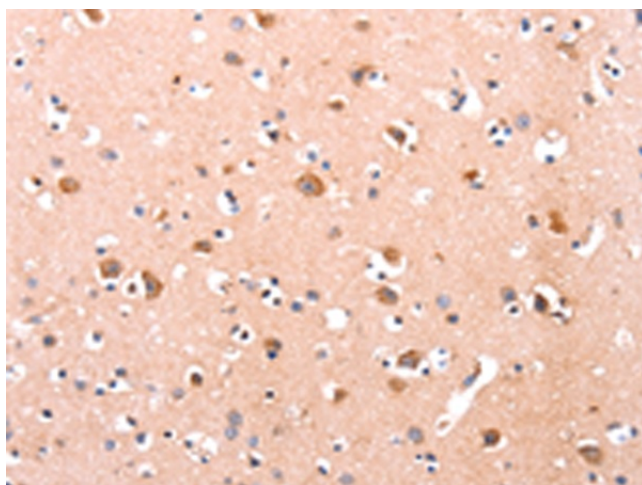
DUSP1; YVH1

Protein Families:

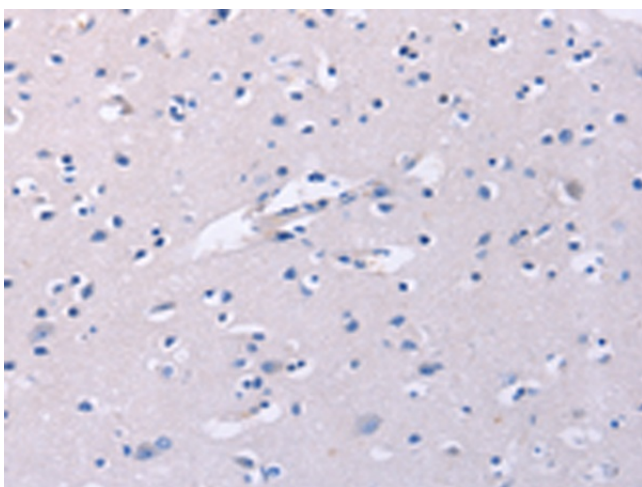
Druggable Genome, Phosphatase

Product images:

Gel: 10%SDS-PAGE
Lysate: 40 µg
Lane: Jurkat cells
Primary antibody: [TA322432] (DUSP12 Antibody) at dilution 1/500
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 20 seconds



Immunohistochemistry of paraffin-embedded Human brain tissue using [TA322432] (DUSP12 Antibody) at dilution 1/25 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human brain tissue using [TA322432] (DUSP12 Antibody) at dilution 1/25, treated with fusion protein. (Original magnification: $\times 200$)