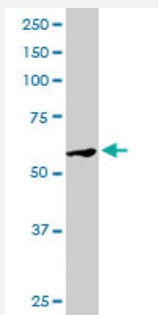


DUSP8 polyclonal antibody

Catalog # PAB6114

Size 100 ug

Applications



Western Blot (Tissue lysate)

DUSP8 polyclonal antibody (Cat # PAB6114) staining (2 ug/mL) of human heart lysate (RIPA buffer, 30 ug total protein per lane). Primary incubated for 12 hour. Detected by western blot using chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of DUSP8.
Immunogen	A synthetic peptide corresponding to human DUSP8.
Sequence	*AGDRLPRKVMDAK-C
Host	Goat
Theoretical MW (kDa)	65.8
Reactivity	Human
Specificity	This antibody is also expected to recognize the hypothetical human protein similar to dual specificity phosphatase 8 (XM_114902), which is virtually identical.
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.

Recommend Usage	ELISA (1:4000) Western blot (1-3 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — DUSP8

Entrez GeneID	1850
Protein Accession#	NP_004411.1
Gene Name	DUSP8
Gene Alias	C11orf81, FLJ42476, FLJ42958, HB5, HVH-5, HVH8
Gene Description	dual specificity phosphatase 8
Omim ID	602038
Gene Ontology	Hyperlink

Gene Summary

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 inactivates SAPK/JNK and p38, is expressed predominantly in the adult brain, heart, and skeletal muscle, is localized in the cytoplasm, and is induced by nerve growth factor and insulin. An intronless pseudogene for DUSP8 is present on chromosome 10q11.2. [provided by RefSeq]

Other Designations

H1 phosphatase, vaccinia virus homolog|serine/threonine specific protein phosphatase

Publication Reference

- [hVH-5: a protein tyrosine phosphatase abundant in brain that inactivates mitogen-activated protein kinase.](#)

Martell KJ, Seasholtz AF, Kwak SP, Clemens KK, Dixon JE.

Journal of Neurochemistry 1995 Oct; 65(4):1823.

Pathway

- [MAPK signaling pathway](#)