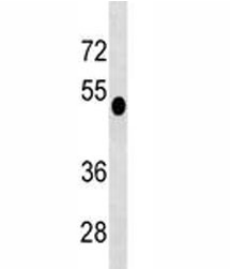
DUSP6 Antibody (F45736)

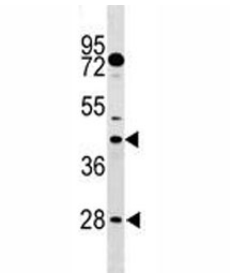
Catalog No.	Formulation	Size
F45736-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F45736-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

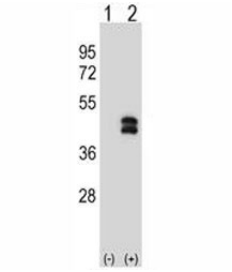
Availability	1-3 business days
Species Reactivity	Human, Mouse
Predicted Reactivity	Bovine
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	Q16828
Applications	Western blot: 1:1000
Limitations	This DUSP6 antibody is available for research use only.



DUSP6 antibody western blot analysis in CEM lysate. Predicted molecular weight 42/26 kDa (isoform 1/2).



DUSP6 antibody western blot analysis in mouse stomach tissue lysate. Predicted molecular weight 42/26 kDa (isoform 1/2).



Western blot analysis of DUSP6 antibody and 293 cell lysate either nontransfected (Lane 1) or transiently transfected (2) with the DUSP6 gene.

Description

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.

Learn more about DUSP6 function in MAPK signaling regulation, ERK pathway control, growth factor responses, and intracellular signal transduction on our DUSP6 Antibody page.

Application Notes

Titration of the DUSP6 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 59-88 from the human protein was used as the immunogen for this DUSP6 antibody.

Storage

Aliquot the DUSP6 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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