

DUSP5 Polyclonal Antibody

Catalog Number PA5-44870

Product Data Sheet

Details		Species Reactivity	
Size	100 µl	Tested species reactivity	Bovine, Canine, Equine, Guinea Pig, Human, Mouse, Porcine, Rabbit, Rat
Host / Isotype	Rabbit / IgG	Tested Applications	Dilution *
Class	Polyclonal	Western Blot (WB)	1:500
Type	Antibody	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Immunogen	Synthetic peptide directed towards the middle region of human DUSP5		
Conjugate	Unconjugated		
Form	Liquid		
Concentration	0.5mg/ml		
Purification	Affinity Chromatography		
Storage Buffer	PBS with 2% sucrose		
Contains	0.09% sodium azide		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Product Specific Information

PA5-44870 detects DUSP5 in WB application.

Peptide sequence: AGSSLIGHLQ TLSPDMQGAY CTFPASVLAP VPTHSTVSEL SRSPVATATS

Sequence homology: Cow: 85%; Dog: 92%; Guinea Pig: 79%; Horse: 100%; Human: 100%; Mouse: 86%; Pig: 100%; Rabbit: 86%; Rat: 79%

Background/Target Information

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 kinase superfamily, 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, is expressed in a variety of tissues with the highest levels in pancreas and brain, and is localized in the nucleus.

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