

DUSP2 Polyclonal Antibody

Catalog NumberPA5-28775

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Published species	Human
Class	Polyclonal	Tested Applications	
Type	Antibody	Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000
Immunogen	Synthetic peptide corresponding to a region within amino acids 251 and 314 of Human DUSP2/PAC1	Western Blot (WB)	1:500-1:3,000
		Immunocytochemistry (ICC/IF)	1:100-1:1,000
Conjugate	Unconjugated	Published Applications	
Form	Liquid	Western Blot (WB)	See 1 publications below
Concentration	1 mg/mL	* 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.	
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Recommended positive controls: HeLa. Predicted reactivity: Bovine (100%). Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

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 (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 and ERK2, is predominantly expressed in hematopoietic tissues, and is localized in the nucleus.

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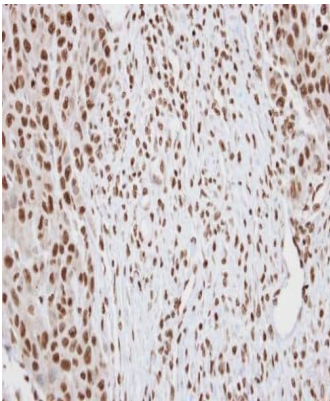
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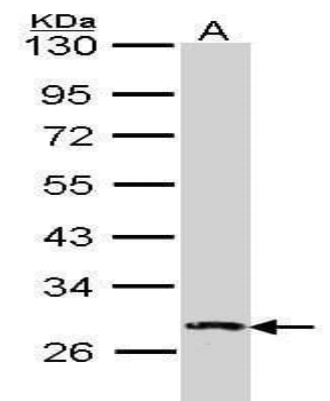
Product Images For DUSP2 Polyclonal Antibody



DUSP2 Antibody (PA5-28775) in ICC/IF
Immunofluorescent analysis of DUSP2/PAC1 in paraformaldehyde-fixed HeLa cells using a DUSP2/PAC1 polyclonal antibody (Product # PA5-28775) at a 1:1000 dilution.



DUSP2 Antibody (PA5-28775) in IHC (P)
Immunohistochemical analysis of DUSP2/PAC1 in paraffin-embedded oral carcinoma using a DUSP2/PAC1 polyclonal antibody (Product # PA5-28775) at a dilution of 1:100.



DUSP2 Antibody (PA5-28775) in WB
Western blot analysis of DUSP2/PAC1 using 30 µg of HeLa lysate. Samples were loaded onto a 10% SDS-PAGE gel and probed with a DUSP2/PAC1 polyclonal antibody (Product # PA5-28775) at a dilution of 1:1000.

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PubMed References For DUSP2 Polyclonal Antibody

1 Western Blot References

Species / Dilution	Summary
	PA528775 was used in western blot to elucidate how CELF1 governs the epithelial-to-mesenchymal transition
Human / 1:1000	<p>Nature communications (2016; 7:)</p> <p>"CELF1 is a central node in post-transcriptional regulatory programmes underlying EMT."</p> <p>Author(s):Chaudhury A,Cheema S,Fachini JM,Kongchan N,Lu G,Simon LM,Wang T,Mao S,Rosen DG,Ittmann MM,Hilsenbeck SG,Shaw CA,Neilson JR</p> <p>PubMed Article URL:http://dx.doi.org/10.1038/ncomms13362</p>

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