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anti-DUSP6 antibody (Internal Region)

3

Images



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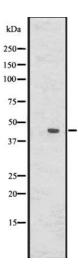
Target:

Quantity:	100 μL
Target:	DUSP6
Binding Specificity:	Internal Region
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DUSP6 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF),
	Immunocytochemistry (ICC)
Product Details	
Immunogen:	A synthesized peptide derived from human DUSP6, corresponding to a region within the internal
	amino acids.
Isotype:	IgG
Specificity:	DUSP6 Antibody detects endogenous levels of total DUSP6.
Predicted Reactivity:	Pig,Zebrafish,Bovine,Horse,Sheep,Rabbit,Dog,Xenopus
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink TM Coupling
	Resin (Thermo Fisher Scientific).
Target Details	

DUSP6

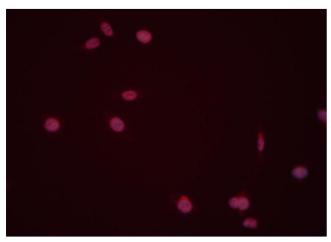
Target Details

rarget Details				
Alternative Name:	DUSP6 (DUSP6 Products)			
Background:	Description: Inactivates MAP kinases. Has a specificity for the ERK family (PubMed:9858808).			
	Plays an important role in alleviating chronic postoperative pain. Necessary for the normal			
	dephosphorylation of the long-lasting phosphorylated forms of spinal MAPK1/3 and MAP			
	kinase p38 induced by peripheral surgery, which drives the resolution of acute postoperative			
	allodynia (By similarity). Also important for dephosphorylation of MAPK1/3 in local wound			
	tissue, which further contributes to resolution of acute pain (By similarity).			
	Gene: DUSP6			
Molecular Weight:	42kDa			
Gene ID:	1848			
UniProt:	Q16828			
Pathways:	Neurotrophin Signaling Pathway, Activation of Innate immune Response, Toll-Like Receptors			
	Cascades			
Application Details				
Application Notes:	WB 1:1000-3000, IHC 1:200, IF/ICC, ELISA(peptide) 1:20000-1:40000			
Restrictions:	For Research Use only			
Handling				
Format:	Liquid			
Concentration:	1 mg/mL			
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 %			
	glycerol.			
Preservative:	Sodium azide			
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which			
	should be handled by trained staff only.			
Storage:	-20 °C			
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.			
Expiry Date:	12 months			



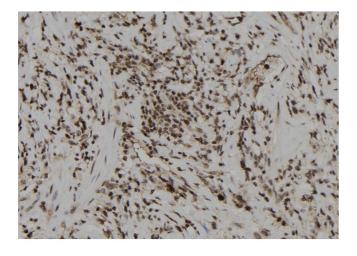
Western Blotting

Image 1. Western blot analysis of DUSP6 using HepG2 whole cell lysates



Immunofluorescence (fixed cells)

Image 2. ABIN6274008 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody(Cat.# S0006), diluted at 1/600 was used as secondary antibody.



Immunohistochemistry

Image 3. ABIN6274008 at 1/100 staining Human gastric tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.