

Datasheet for ABIN3016540
anti-DUSP4 antibody (AA 1-168)

2 Images

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Overview

Quantity:	100 µL
Target:	DUSP4
Binding Specificity:	AA 1-168
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DUSP4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-168 of human DUSP4 (NP_001385.1).
Sequence:	MVTMEELREM DCSVLKRLMN RDENGGGAGG SGSHGTLGLP SGGKCLLLDC RPFLAHSAGY ILGSVNVR CN TIVRRRAKGS VSLEQILPAE EEVRARLRSG LYS AVIVYDE RSPRAESLRE DSTVSLVVQA LRRNAERTDI CLLKGGYERF SSEYPEFC SK TKALAAIP
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	DUSP4
Alternative Name:	DUSP4 (DUSP4 Products)
Background:	<p>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, ERK2 and JNK, is expressed in a variety of tissues, and is localized in the nucleus. Two alternatively spliced transcript variants, encoding distinct isoforms, have been observed for this gene. In addition, multiple polyadenylation sites have been reported.,DUSP4,HVH2,MKP-2,MKP2,TYP,Signal Transduction,Kinase,MAPK-Erk Signaling Pathway,MAPK-JNK Signaling Pathway,Cell Biology & Developmental Biology,Cell Cycle,Immunology & Inflammation,DUSP4</p>
Molecular Weight:	32 kDa/42 kDa
Gene ID:	1846
UniProt:	Q13115
Pathways:	Neurotrophin Signaling Pathway , Activation of Innate immune Response , Toll-Like Receptors Cascades

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:100
Restrictions:	For Research Use only

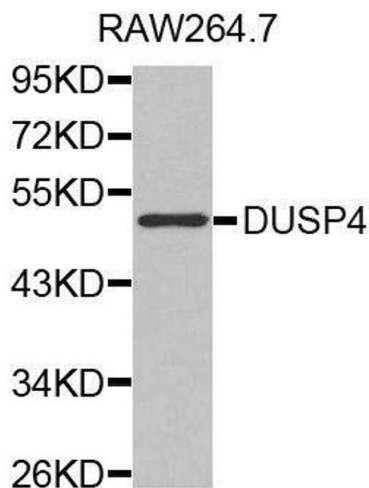
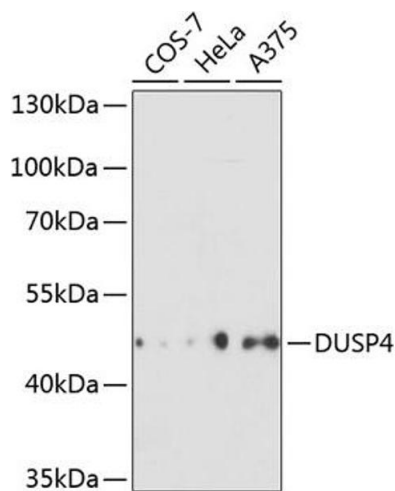
Handling

Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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

Handling

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using DUSP4 antibody (ABIN3016539, ABIN3016540, ABIN3016541 and ABIN6219776) at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.

Western Blotting

Image 2. Western blot analysis of extracts of RAW264.7 cell line, using DUSP4 antibody.