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## anti-DUSP2 antibody (AA 150-250)



Image



#### Overview

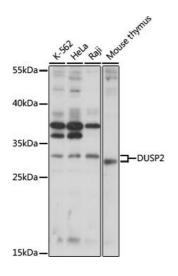
Quantity:	100 μL
Target:	DUSP2
Binding Specificity:	AA 150-250
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DUSP2 antibody is un-conjugated
Application:	Western Blotting (WB)

#### **Product Details**

Purpose:	DUSP2 Rabbit pAb
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 150-250 of human DUSP2 (NP_004409.1).
Sequence:	ALPPTGDKTS RSDSRAPVYD QGGPVEILPY LFLGSCSHSS DLQGLQACGI TAVLNVSASC PNHFEGLFRY KSIPVEDNQM VEISAWFQEA IGFIDWVKNS G
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

### Target Details

Target:	DUSP2
Alternative Name:	DUSP2 (DUSP2 Products)
Background:	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.,DUSP2,PAC-1,PAC1,Epigenetics & Nuclear Signaling,Cancer,Tumor suppressors,p53 pathway,Signal Transduction,Cell Biology & Developmental Biology,Apoptosis,Cell Cycle,Endocrine & Metabolism,DUSP2
Molecular Weight:	34kDa
Gene ID:	1844
UniProt:  Application Details	Q05923
Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
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
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



#### **Western Blotting**

Image 1. Western blot analysis of extracts of various cell lines, using DUSP2 antibody (ABIN7266847) at 1:1000 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: 10s.