

Datasheet for ABIN6139861
anti-DUSP12 antibody (AA 130-270)



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1 Image

Overview

Quantity:	100 µL
Target:	DUSP12
Binding Specificity:	AA 130-270
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DUSP12 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 130-270 of human DUSP12 (NP_009171.1).
Sequence:	LMKTDQLPFE KAYEKLQILK PEAKMNEGFE WQLKLYQAMG YEVDTSIAIY KQYRLQKVTE KYPELQNLQPQ ELFAVDPTTV SQGLKDEVLY KCRKCRRLSLF RSSLILDHRE GSGPIAFAHK RMTTPSSMLTT GRQAQCTSYF I
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

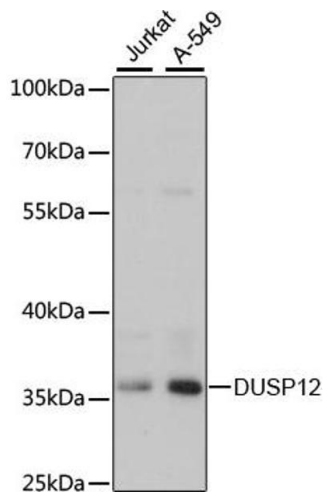
Target:	DUSP12
Alternative Name:	DUSP12 (DUSP12 Products)
Background:	<p>The protein encoded by this gene is a member of the dual specificity protein phosphatase subfamily. These phosphatases inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. They negatively regulate members of the mitogen-activated protein (MAP) kinase superfamily (MAPK/ERK, SAPK/JNK, p38), which is 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 is the human ortholog of the <i>Saccharomyces cerevisiae</i> YVH1 protein tyrosine phosphatase. It is localized predominantly in the nucleus, and is novel in that it contains, and is regulated by a zinc finger domain.,DUSP12,DUSP1,YVH1,Signal Transduction,DUSP12</p>
Molecular Weight:	37 kDa
Gene ID:	11266
UniProt:	Q9UNI6
Pathways:	Regulation of Carbohydrate Metabolic Process

Application Details

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 DUSP12 antibody (ABIN6127787, ABIN6139861, ABIN6139862 and ABIN6217176) 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: 30s.