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anti-HINT1 antibody (Center)

2 Images



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Overview		
Quantity:	0.1 mg	
Target:	HINT1	
Binding Specificity:	Center	
Reactivity:	Human, Mouse, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This HINT1 antibody is un-conjugated	
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)	
Product Details		
Immunogen:	HINT1 antibody was raised against a 17 amino acid peptide near the center of the human	
	HINT1.	
Isotype:	IgG	
Specificity:	This antibody reacts to HINT1.	
Purification:	Affinity chromatography purified via peptide column	
Target Details		
Target:	HINT1	
Alternative Name:	HINT1 (HINT1 Products)	
Background:	Histidine triad nucleotide-binding protein 1 (HINT1) is a member of the histidine triad (HIT)	

protein family, a group of small nucleotide-binding and -hydrolyzing proteins. HINT1 interacts with several diverse proteins and has been suggested to have tumor suppressive activities. HINT1 catalyzes the hydrolysis of adenosine 5'-monophoramidate substrates such as AMP-morpholidate, but its enzymatic function does not appear to play a role in its tumor suppression. Recent experiments demonstrate that HINT1 forms a complex with POSH and JNK in vivo, inhibiting AP-1 activity and the phosphorylation of c-Jun, and this action could contribute to the tumor suppressor activity of HINT1. Other studies raise the possibility of HINT1 as a candidate gene for schizophrenia. Synonyms: Adenosine 5'-monophosphoramidase, HINT, HINT1, Histidine triad nucleotide-binding protein 1, PKCI-1, PKCI1, PRKCNH1, Protein kinase C inhibitor 1, Protein kinase C-interacting protein 1

Gene ID:	3094
NCBI Accession:	NP_005331
UniProt:	P49773

Application Details

Application Notes:	ELISA. Western Blot: 1 - 2 μg/mL. Immunocytochemistry.		
	Other applications not tested.		
	Optimal dilutions are dependent on conditions and should be determined by the user.		
Restrictions:	For Research Use only		

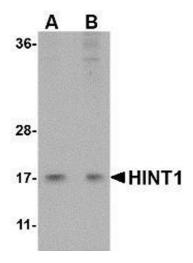
Handling

Buffer:	PBS containing 0.02 % sodium azide.	
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:	4 °C	
Storage Comment:	Store the antibody undiluted at 2-8 °C.	



Immunofluorescence

Image 1. Immunocytochemistry of HINT1 in Jurkat cells with AP30394PU-N HINT1 antibody at $2.5 \, \mu g/ml$.



Western Blotting

Image 2. Western blot analysis of HINT1 in Jurkat lysate with AP30394PU-N HINT1 antibody at (A) 1 and (B) $2 \mu g/ml$.