

产品名称: HINT1 (1G3) Rabbit Monoclonal Antibody
产品货号: AMRe12028



产品概述 (Summary)

产品名称 (Production Name)	HINT1 (1G3) Rabbit Monoclonal Antibody
描述 (Description)	Recombinant rabbit monoclonal antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% protective protein.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	HINT1
别名 (Alternative Names)	HINT1; PKCI1; PRKCNH1; Protein kinase C inhibitor 1;
基因 ID (Gene ID)	3094.0
蛋白 ID (SwissProt ID)	P49773.A synthetic peptide of human HINT1

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:1000-1:5000,IHC 1:200-1:500,ICC/IF 1:500-1:1000
蛋白分子量 (Molecular Weight)	14kDa

研究背景 (Background)

Hydrolyzes adenosine 5'-monophosphoramidate substrates such as AMP-morpholidate, AMP-N-alanine methyl ester,

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AMP-alpha-acetyl lysine methyl ester and AMP-NH₂. Exhibits adenosine 5'-monophosphoramidase activity, hydrolyzing purine nucleotide phosphoramidates with a single phosphate group such as adenosine 5'monophosphoramidate (AMP-NH₂) to yield AMP and NH₂ (PubMed:15703176, PubMed:16835243, PubMed:17337452, PubMed:17217311, PubMed:23614568, PubMed:28691797, PubMed:29787766, PubMed:31990367, PubMed:22329685). Hydrolyzes adenosine 5'monophosphomorpholidate (AMP-morpholidate) and guanosine 5'monophosphomorpholidate (GMP-morpholidate) (PubMed:15703176, PubMed:16835243). Hydrolyzes lysyl-AMP (AMP-N-epsilon-(N-alpha-acetyl lysine methyl ester)) generated by lysine tRNA ligase, as well as Met- AMP, His-AMP and Asp-AMP, lysyl-GMP (GMP-N-epsilon-(N-alpha-acetyl lysine methyl ester)) and AMP-N-alanine methyl ester (PubMed:15703176, PubMed:22329685, PubMed:17337452). Hydrolyzes 3-indolepropionic acyl- adenylate, tryptamine adenosine phosphoramidate monoester and other fluorogenic purine nucleoside tryptamine phosphoramidates in vitro (PubMed:17337452, PubMed:23614568, PubMed:29787766, PubMed:17217311, PubMed:28691797, PubMed:31990367). Can also convert adenosine 5'-O-phosphorothioate and guanosine 5'-O-phosphorothioate to the corresponding nucleoside 5'-O-phosphates with concomitant release of hydrogen sulfide (PubMed:30772266). In addition, functions as scaffolding protein that modulates transcriptional activation by the LEF1/TCF1-CTNNB1 complex and by the complex formed with MITF and CTNNB1 (PubMed:16014379, PubMed:22647378). Modulates p53/TP53 levels and p53/TP53-mediated apoptosis (PubMed:16835243). Modulates proteasomal degradation of target proteins by the SCF (SKP2-CUL1-F-box protein) E3 ubiquitin-protein ligase complex (PubMed:19112177).

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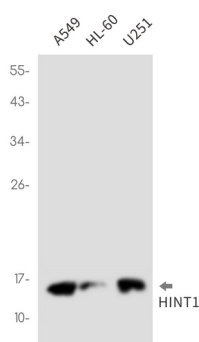


target="_blank">19112177). Also exhibits SUMO- specific isopeptidase activity, deconjugating SUMO1 from RGS17 (PubMed:31088288). Deconjugates SUMO1 from RANGAP1 (By similarity).

研究领域 (Research Area)

Epigenetics and Nuclear Signaling

图片 (Image Data)



Western blot detection of HINT1 in A549,HL-60,U251 cell lysates using HINT1 antibody(1:1000 diluted).

注意事项 (Note)

For research use only .