

产品名称: Hint1 Rabbit Polyclonal Antibody
产品货号: AP Rab12029



产品概述 (Summary)

产品名称 (Production Name)	Hint1 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
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)	Polyclonal
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)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	HINT1 HINT1; HINT; PKCI1; PRKCNH1; Histidine triad nucleotide-binding protein 1;
别名 (Alternative Names)	Adenosine 5'-monophosphoramidase; Protein kinase C inhibitor 1; Protein kinase C-interacting protein 1; PKCI-1
基因 ID (Gene ID)	3094.0
蛋白 ID (SwissProt ID)	P49773.The antiserum was produced against synthesized peptide derived from human HINT1. AA range:71-120

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	28kDa

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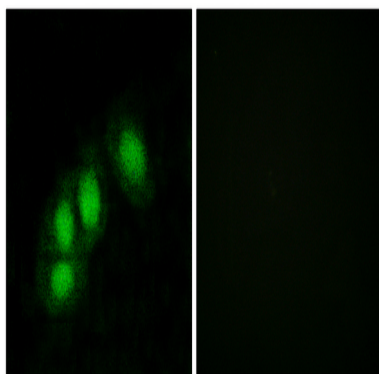
研究背景 (Background)

This gene encodes a protein that hydrolyzes purine nucleotide phosphoramidates substrates, including AMP-morpholidate, AMP-N-alanine methyl ester, AMP-alpha-acetyl lysine methyl ester, and AMP-NH₂. The encoded protein interacts with these substrates via a histidine triad motif. This gene is considered a tumor suppressor gene. In addition, mutations in this gene can cause autosomal recessive neuromyotonia and axonal neuropathy. There are several related pseudogenes on chromosome 7. Several transcript variants have been observed. [provided by RefSeq, Dec 2015], caution: Was originally thought to be a protein kinase C inhibitor and to bind zinc in solution. Both seem to be incorrect., domain: The histidine triad, also called HIT motif, forms part of the binding loop for the alpha-phosphate of purine mononucleotide., function: Hydrolyzes adenosine 5'-monophosphoramidate substrates such as AMP-morpholidate, AMP-N-alanine methyl ester, AMP-alpha-acetyl lysine methyl ester and AMP-NH₂., similarity: Belongs to the HINT family., similarity: Contains 1 HIT domain., subcellular location: Interaction with CDK7 leads to a more nuclear localization., subunit: Homodimer. Interacts with CDK7., tissue specificity: Widely expressed.,

研究领域 (Research Area)

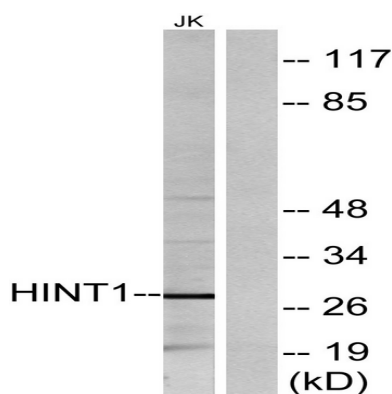
Epigenetics and Nuclear Signaling

图片 (Image Data)

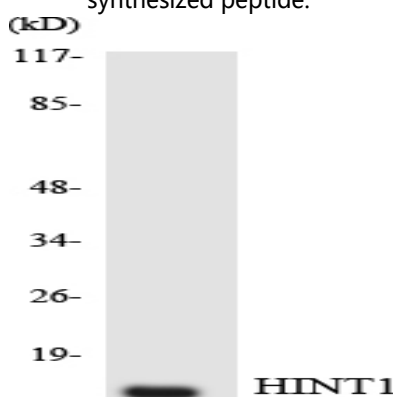


Immunofluorescence analysis of HeLa cells, using HINT1 Antibody. The picture on the right is blocked with the synthesized peptide.

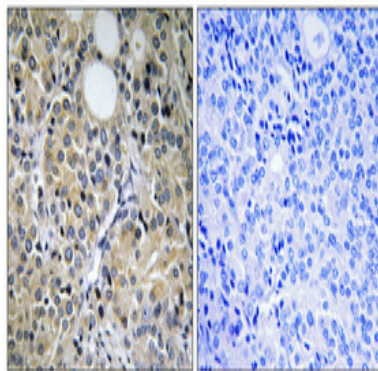
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Western blot analysis of lysates from Jurkat cells, using HINT1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HepG2 cells using HINT1 antibody.



Immunohistochemical analysis of paraffin-embedded Human prostate cancer. Antibody was diluted at 1:100 (4°, overnight) . High-pressure and temperature Tris-EDTA, pH8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.

注意事项 (Note)

For research use only .