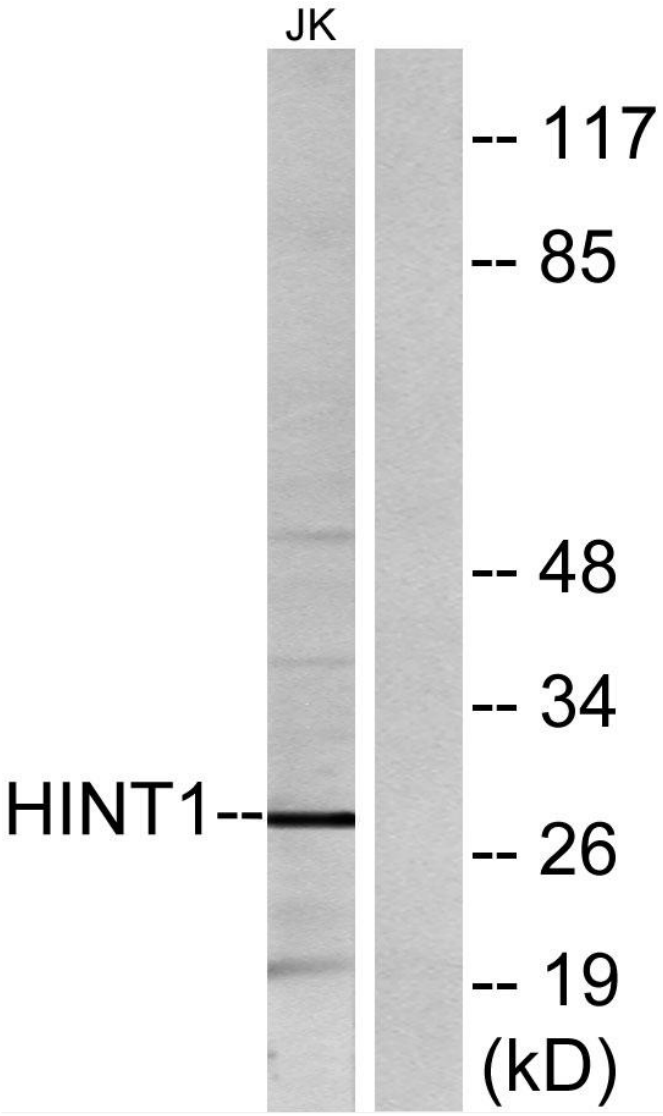
Hint1 Monoclonal Antibody

Catalog No	YP-mAb-00420
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	HINT1
Protein Name	Histidine triad nucleotide-binding protein 1
Immunogen	The antiserum was produced against synthesized peptide derived from human HINT1. AA range:71-120
Specificity	Hint1 Monoclonal Antibody detects endogenous levels of Hint1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	HINT1; HINT; PKCI1; PRKCNH1; Histidine triad nucleotide-binding protein 1; Adenosine 5'-monophosphoramidase; Protein kinase C inhibitor 1; Protein kinase C-interacting protein 1; PKCI-1
Observed Band	28kD
Cell Pathway	Cytoplasm . Nucleus . Interaction with CDK7 leads to a more nuclear localization. .
Tissue Specificity	Widely expressed.
Function	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.,
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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using Hint1 Monoclonal Antibody