antibodies

Datasheet for ABIN873131 anti-SAMHD1 antibody (AA 256-370)

Image



Overview

Quantity:	100 μL
Target:	SAMHD1
Binding Specificity:	AA 256-370
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SAMHD1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human SAMHD1
lsotype:	lgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Human,Rat,Cow,Sheep,Horse
Purification:	Purified by Protein A.
Target Details	

Target:

SAMHD1

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Target Details	
Alternative Name:	SAMHD1 (SAMHD1 Products)
Background:	Synonyms: DCIP, Dendritic cell derived NG induced protein, Dendritic cell-derived NG-induced
	protein, HD domain containing 1, HDDC1, Mg11, Monocyte protein 5, MOP 5, MOP5,
	OTTHUMP00000030889, SAM domain and HD domain 1, SAM domain and HD domain
	containing protein 1, SAM domain and HD domain-containing protein 1, SAMH1_HUMAN, Samhd1, SBBI88.
	Background: Putative nuclease involved in innate immune response by acting as a negative
	regulator of the cell-intrinsic antiviral response. May play a role in mediating proinflammatory
	responses to TNF-alpha signaling.Tissue specificity:Expressed in heart, skeletal muscle, spleen
	liver, small intestine, placenta, lung and peripheral blood leukocytes. No expression is seen in
	brain and thymus.Involvement in disease:Defects in SAMHD1 are the cause of Aicardi-
	Goutieres syndrome type 5 (AGS5) . A form of Aicardi-Goutieres syndrome, a genetically
	heterogeneous disease characterized by cerebral atrophy, leukoencephalopathy, intracranial
	calcifications, chronic cerebrospinal fluid (CSF) lymphocytosis, increased CSF alpha-interferon,
	and negative serologic investigations for common prenatal infection. Clinical features as
	thrombocytopenia, hepatosplenomegaly and elevated hepatic transaminases along with
	intermittent fever may erroneously suggest an infective process. Severe neurological
	dysfunctions manifest in infancy as progressive microcephaly, spasticity, dystonic posturing
	and profound psychomotor retardation. Death often occurs in early childhood.
Gene ID:	4861
UniProt:	Q9Y3Z3
Application Details	
Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200

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	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Images

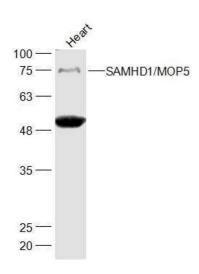


Image 1. Mouse Heart lysates probed with SAMHD1'MOP5 Polyclonal Antibody, Unconjugated at 1:500 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at 1:10000 for 60 min at 37°C.