

Nur für Forschungszwecke

SAMHD1 Polyklonaler Antikörper

Katalog-Nr.:12586-1-AP

Vorgestelltes Produkt

60 Publikationen



Allgemeine Informationen

Katalog-Nr.: 12586-1-AP	GenBank-Zugangsnummer: BC036450	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul , Konzentration: 350 µg/ml von Nanodrop;	GeneID (NCBI): 25939	Empfohlene Verdünnungen: WB 1:1000-1:8000
Wirt: Kaninchen	Vollständiger Name: SAM domain and HD domain 1	IP 0.5-4.0 ug für IP und 1:200-1:1000 für WB
Isotyp: IgG	Berechnete Masse: 626 aa, 72 kDa	IHC 1:50-1:500
Immunogen Katalognummer: AG3287	Beobachtete Masse: 64-72 kDa	IF 1:50-1:500

Anwendungen

Geprüfte Anwendungen:
FC, IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:
FC, IF, IHC, IP, WB

Getestete Reaktivität:
Human, Maus, Ratte

Zitierte Arten:
Affe, Human, Maus

Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB : HepG2-Zellen, humanes Hirngewebe, K-562-Zellen, L02-Zellen, Mausherzgewebe

IP : K-562-Zellen,

IHC : humanes Lungenkarzinomgewebe, humanes Kolonkarzinomgewebe

IF : HepG2-Zellen,

Hintergrundinformationen

SAMHD1, highly expressed by monocytes and monocyte-derived dendritic cells and by monocyte-derived macrophages at a lower extent, is reported as an HIV-1 restriction factor that inhibits the early step of the HIV-1 life cycle. Vpx (virus-like particles containing viral protein X) could overcome this block by interacting with SAMHD1, inducing proteasome-dependent degradation of SAMHD1. Mutations in SAMHD1 cause Aicardi-Goutières syndrome, a genetic encephalopathy with presumed immune pathogenesis. Three alternatively spliced transcripts encoding different isoforms have been described.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Jason Neidleman	32990219	Elife	
Simone De Meo	32986788	PLoS Pathog	
Ramona Businger	31548682	Nat Microbiol	IF

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

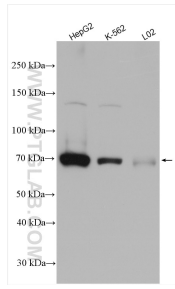
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

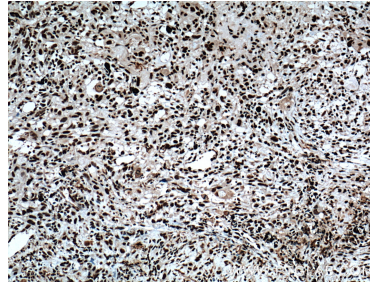
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

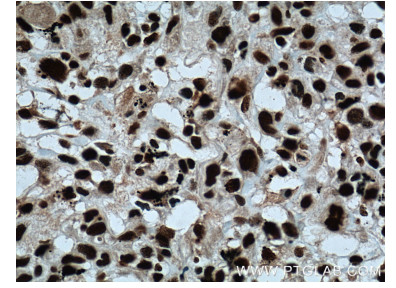
Ausgewählte Validierungsdaten



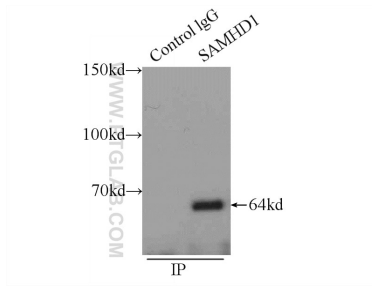
Various lysates were subjected to SDS PAGE followed by western blot with 12586-1-AP (SAMHD1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



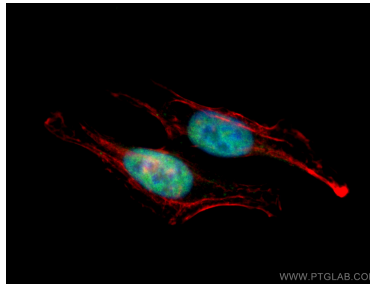
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 12586-1-AP (SAMHD1 Antibody) at dilution of 1:200 (under 10x Lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



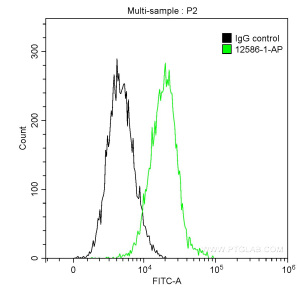
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 12586-1-AP (SAMHD1 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-SAMHD1 (IP:12586-1-AP, 3ug; Detection:12586-1-AP 1:300) with K-562 cells lysate 2400ug.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using SAMHD1 antibody (12586-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



1×10^6 THP-1 cells were intracellularly stained with 0.2 ug Anti-Human SAMHD1 (12586-1-AP) and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (green), or 0.2 ug Control Antibody (black). Cells were fixed with 4% PFA and permeabilized with 0.1% Triton X-100.