

For Research Use Only

STAM Polyclonal antibody

Catalog Number: 12434-1-AP

Featured Product

18 Publications



Basic Information

Catalog Number: 12434-1-AP	GenBank Accession Number: BC030586	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 800 µg/ml by Nanodrop;	GeneID (NCBI): 8027	Recommended Dilutions: WB 1:2000-1:16000 IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
Source: Rabbit	Full Name: signal transducing adaptor molecule (SH3 domain and ITAM motif) 1	IHC 1:50-1:500 IF 1:50-1:500
Isotype: IgG	Calculated MW: 59 kDa	
Immunogen Catalog Number: AG3112	Observed MW: 70 kDa	

Applications

Tested Applications:
IF, IHC, IP, WB, ELISA

Cited Applications:
IF, WB

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse, monkey

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: HEK-293T cells, Multi-cells, mouse brain tissue, Y79 cells, Jurkat cells, K-562 cells, MCF-7 cells, PC-3 cells, Raji cells, SKOV-3 cells, C2C12 cells

IP: PC-3 cells,

IHC: human testis tissue, mouse testis tissue

IF: HepG2 cells,

Background Information

STAM, also named as STAM1, belongs to the STAM family. It is involved in intracellular signal transduction mediated by cytokines and growth factors. Upon IL-2 and GM-CSL stimulation, it plays a role in signaling leading to DNA synthesis and MYC induction. STAM may also play a role in T-cell development. It is involved in down-regulation of receptor tyrosine kinase via multivesicular body (MVBs). Together with HRS, STAM forms ESCRT-0. STAM was originally identified as an adaptor protein involved in cytokine signaling.(PMID:20505072)

Notable Publications

Author	Pubmed ID	Journal	Application
Jay Xiaojun Tan	36071159	Nature	WB
Olga Alekhina	27789711	J Biol Chem	WB
Jalal M Kazan	34761192	iScience	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

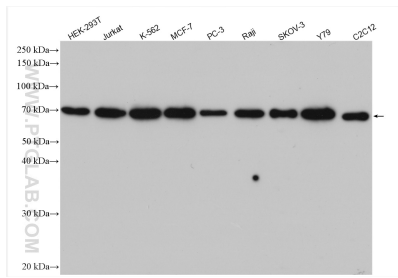
For technical support and original validation data for this product please contact:

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

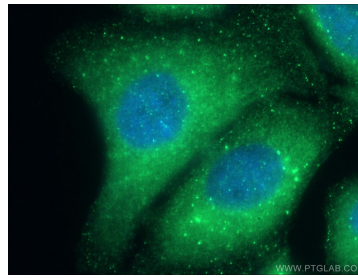
E: proteintech@ptglab.com
W: ptglab.com

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

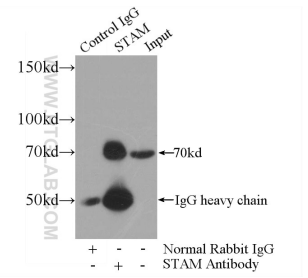
Selected Validation Data



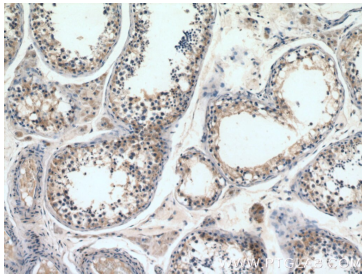
Various lysates were subjected to SDS PAGE followed by western blot with 12434-1-AP (STAM antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



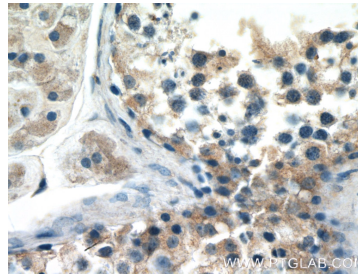
Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 12434-1-AP (STAM antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



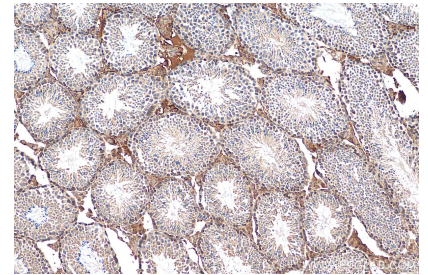
IP Result of anti-STAM (IP:12434-1-AP, 4 μ g; Detection:12434-1-AP 1:300) with PC-3 cells lysate 1440 μ g.



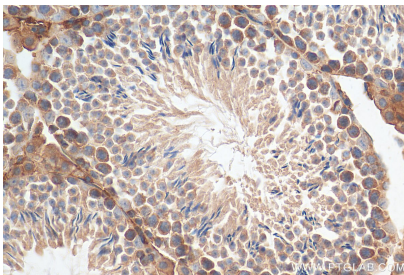
Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 12434-1-AP (STAM antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 12434-1-AP (STAM antibody) at dilution of 1:200 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 12434-1-AP (STAM antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 12434-1-AP (STAM antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).