

For Research Use Only

STAM Polyclonal antibody

Catalog Number: 12434-1-AP

Featured Product

20 Publications



Basic Information

Catalog Number:

12434-1-AP

Size:

800 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3112

GenBank Accession Number:

BC030586

GeneID (NCBI):

8027

UNIPROT ID:

Q92783

Full Name:

signal transducing adaptor molecule
(SH3 domain and ITAM motif) 1

Calculated MW:

59 kDa

Observed MW:

70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:16000

IP 0.5-4.0 µg for 1.0-3.0 mg of total
protein lysate

IHC 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IF, CoIP

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/ICC : 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-CSF 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

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

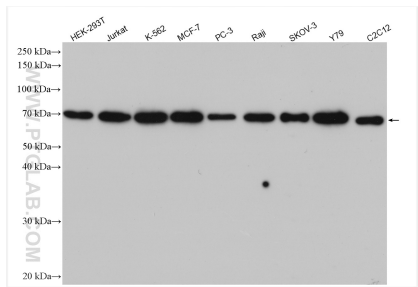
T: 4006900926

E: Proteintech-CN@ptglab.com

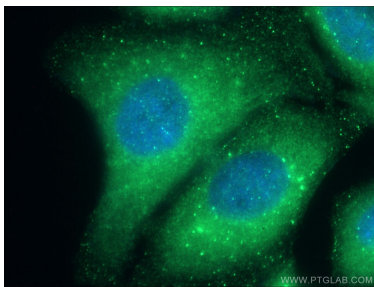
W: ptgcn.com

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

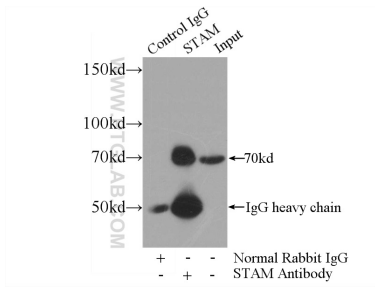
Selected Validation Data



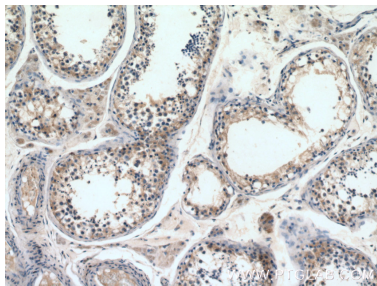
Various lysates were subjected to SDS PAGE followed by western blot with 12434-1-AP (STAM antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



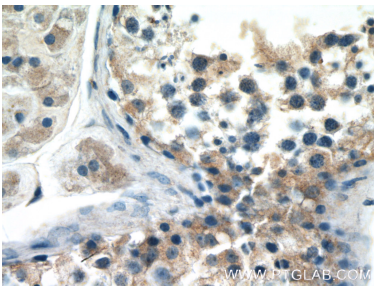
Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 12434-1-AP (STAM antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).



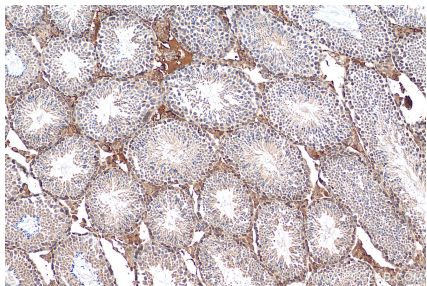
IP result of anti-STAM (IP:12434-1-AP, 4ug; Detection:12434-1-AP 1:300) with PC-3 cells lysate 1440ug.



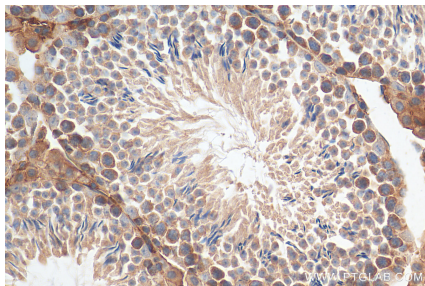
Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 12434-1-AP (STAM antibody) at dilution of 1:200 (under 10x lens).



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).