For Research Use Only

STUB1 Polyclonal antibody

Catalog Number:55430-1-AP Featured Product 51 Publications

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Basic Information

Catalog Number:
55430-1-AP

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_005861

GeneID (NCBI):
10273

UNIPROT ID:
Q9UNE7

Full Name:
STIP1 homology and U-box containing protein 1

Calculated MW:
35 kDa

Observed MW:
35 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB: 1:500-1:1000
IHC: 1:50-1:500

Applications

Tested Applications:
WB, IHC, ELISA

Cited Applications:
WB, IHC, IF, IP, CoIP

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse, rat

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 : HeLa cells, mouse brain tissue, HEK-293 cells, MCF-7 cells, mouse liver tissue

IHC : human colon cancer tissue, human liver tissue, mouse skeletal muscle tissue, human heart tissue, human skeletal muscle tissue

Background Information

STUB1, also named as CHIP, SDCCAG7, UBOX1 and NY-CO-7, is a E3 ubiquitin-protein ligase which targets misfolded chaperone substrates towards proteasomal degradation. STUB1/CHIP modulates the activity of several chaperone complexes, including Hsp70, Hsc70 and Hsp90. It mediates transfer of non-canonical short ubiquitin chains to HSPA8 that have no effect on HSPA8 degradation. STUB1/CHIP mediates polyubiquitination of CYP3A4. (PMID:10330192) CHIP/STUB1 strongly reduced keratin aggregates through increased degradation of mutant K14. (PMID:20151404) STUB1/CHIP regulates NAD(P)H:quinone oxidoreductase 1 (NQO1) accumulation in aged brain, a process impaired in certain Alzheimer patients.(PMID:21220432) This antibody is specific to STUB1.

Notable Publications

Author	Pubmed ID	Journal	Application
Hao Chen	33013306	Front Neurosci	WB
Sheng Li	34755101	iScience	WB
Thomas G Martin	34011988	Nat Commun	IF

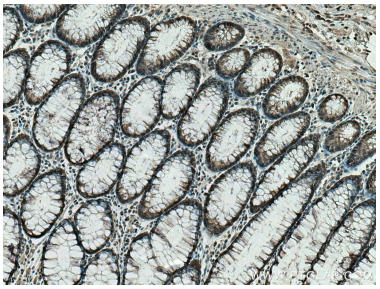
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

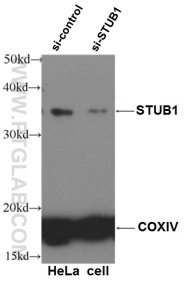
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 55430-1-AP (STUB1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



WB result of STUB1 antibody (55430-1-AP, 1:500) with si-control and si-STUB1 transfected HeLa cells.