

For Research Use Only

STUB1 Monoclonal antibody

Catalog Number: 68407-1-Ig



Basic Information

Catalog Number: 68407-1-Ig	GenBank Accession Number: NM_005861	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 10273	CloneNo.: 2E6B9
Source: Mouse	UNIPROT ID: Q9UNE7	Recommended Dilutions: WB 1:5000-1:50000 IF 1:400-1:1600
Isotype: IgG1	Full Name: STIP1 homology and U-box containing protein 1	
	Calculated MW: 35 kDa	
	Observed MW: 35 kDa	

Applications

Tested Applications: IF/ICC, WB, ELISA	Positive Controls:
Species Specificity: Human, rat	WB : HeLa cells, HEK-293 cells, Jurkat cells, K-562 cells, HSC-T6 cells
	IF : MCF-7 cells,

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.

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:

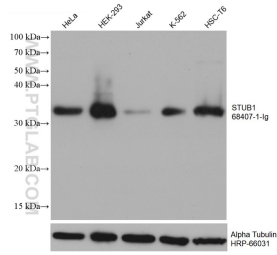
T: 4006900926

E: Proteintech-CN@ptglab.com

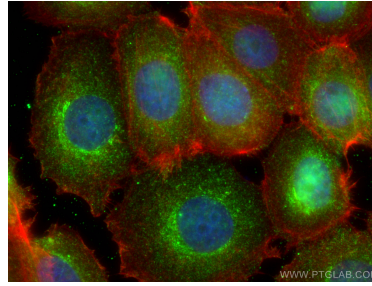
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68407-1-Ig (STUB1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using STUB1 antibody (68407-1-Ig, Clone: 2E6B9) at dilution of 1:800 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).