UBPBio
Ubiquitin-Proteasome Biotechnologies

Product Name: CHIP Rabbit pAb

Catalog #: Y6232-20; Y6232-100

Also Known As: STUB1; CHIP; HSPABP2; NY-CO-7; SCAR16; SDCCAG7; UBOX1

Quantity: 20 µl for Y6232-20; 100 µl for Y6232-100

Concentration: See labels on tube

Host Species: Rabbit

Isotype: IgG

Reactivity: Human, Mouse, Rat

Immunogen: Recombinant fusion protein containing a sequence corresponding to amino acids 1-303 of human CHIP (NP_005852.2).

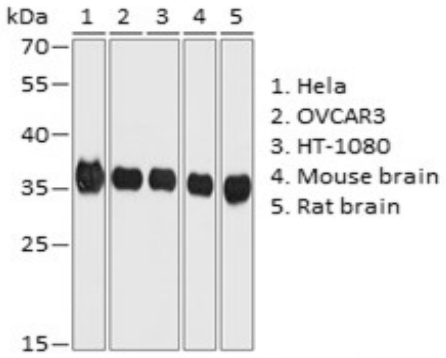
Swiss Prot. #: Q9UNE7

Calculated MW: 34 kDa

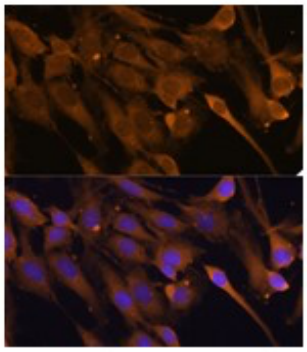
Detected MW: 34 kDa

Applications: WB (1:500 - 1:2,000)
IF (1:50 - 1:200)
IP (not tested)
IHC (not tested)
Note: Antibody dilution should be optimized by users.

Images:



Immunoblotting 25 µg whole cell extracts of various cell lines using CHIP antibody (Y6232) at 1:1,000 dilution.



Immunofluorescence of C6 cells using CHIP antibody (Y6232) at 1:100 dilution. Blue: DAPI nuclear staining.

Purification: Protein A or G affinity purification

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3

Storage: Store at -20°C. Centrifuge to maximize product recovery.

Background: CHIP is a co-chaperone protein and functional E3 ubiquitin ligase that links the polypeptide binding activity of Hsp70 to the ubiquitin proteasome system. CHIP contains three 34-amino acid TPR (tetratricopeptide repeat) domains at its amino terminus and a carboxy-terminal U-box domain. CHIP interacts with the molecular chaperones Hsc70-Hsp70 and Hsp90 through its TPR domain, while E3 ubiquitin ligase activity is confined to the U-box domain.

Reference:
1. McDonough H and Patterson C, (2003) Cell Stress Chaperones 8, 303 - 308.
2. Murata S, et al. (2001) EMBO Rep 2, 1133 - 1138.

Note: This product is for research use only.