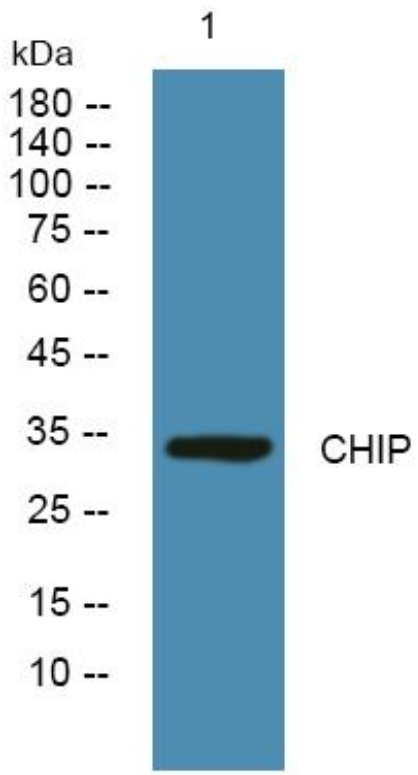
CHIP Monoclonal Antibody

Catalog No	BYmab-07214
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	STUB1 CHIP PP1131
Protein Name	E3 ubiquitin-protein ligase CHIP (EC 6.3.2.-) (Antigen NY-CO-7) (CLL-associated antigen KW-8) (Carboxy terminus of Hsp70-interacting protein) (STIP1 homology and U box-containing protein 1)
Immunogen	Synthesized peptide derived from human protein . at AA range: 160-240
Specificity	CHIP Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	33kD
Cell Pathway	Cytoplasm . Nucleus . Translocates to the nucleus in response to inflammatory signals in regulatory T-cells (Treg). .
Tissue Specificity	Expressed in differentiated myotubes (at protein level) (PubMed:17369820). Highly expressed in skeletal muscle, heart, pancreas, brain and placenta (PubMed:10330192, PubMed:11435423). Detected in kidney, liver and lung (PubMed:10330192, PubMed:11435423).
Function	disease:Antibodies against STUB1 are found in patients with chronic lymphocytic leukemia (CLL) and in colorectal cancer patients.,function:Modulates the activity of several chaperone complexes, including Hsp70, Hsc70 and Hsp90. Has E3 ubiquitin-protein ligase activity and targets misfolded chaperone substrates towards proteasomal degradation. Mediates transfer of non-canonical short ubiquitin chains to HSPA8 that have no effect on HSPA8 degradation.,PTM:Auto-ubiquitinated (in vitro).,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Contains 1 U-box

	domain.,similarity:Contains 3 TPR repeats.,subunit:Interacts with BAG2, and with the E2 ubiquitin conjugating enzymes UBE2D1, UBE2D2 and UBE2D3. Interacts with the C-terminal domains of HSPA8 and HSPA1A. Detected in a ternary complex containing STUB1, HSPA1A and HSPBP1.,tissue specificity:Highly expressed in skeletal musc
Background	This gene encodes a protein containing tetratricopeptide repeat and a U-box that functions as a ubiquitin ligase/cochaperone. The encoded protein binds to and ubiquitinates shock cognate 71 kDa protein (Hspa8) and DNA polymerase beta (Polb), among other targets. Mutations in this gene cause spinocerebellar ataxia, autosomal recessive 16. Alternative splicing results in multiple transcript variants. There is a pseudogene for this gene on chromosome 2. [provided by RefSeq, Jun 2014],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using CHIP Monoclonal Antibody