10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TRIM23 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant TRIM23.
Catalog # AT4343a

Product Information

Application	WB, E
Primary Accession	P36406
Other Accession	BC022510
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	2H4
Calculated MW	64067

Additional Information

Gene ID	373
Other Names	E3 ubiquitin-protein ligase TRIM23, 632-, ADP-ribosylation factor domain-containing protein 1, GTP-binding protein ARD-1, RING finger protein 46, Tripartite motif-containing protein 23, TRIM23, ARD1, ARFD1, RNF46
Target/Specificity	TRIM23 (AAH22510, 1 a.a. ~ 110 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	TRIM23 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

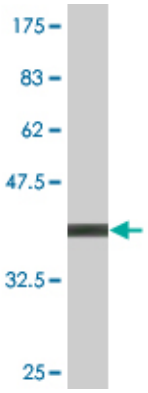
Background

The protein encoded by this gene is a member of the tripartite motif (TRIM) family. The TRIM motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. This protein is also a member of the ADP ribosylation factor family of guanine nucleotide-binding family of proteins. Its carboxy terminus contains an ADP-ribosylation factor domain and a guanine nucleotide binding site, while the amino terminus contains a GTPase activating protein domain which acts on the guanine nucleotide binding site. The protein localizes to lysosomes and the Golgi apparatus. It plays a role in the formation of intracellular transport vesicles, their movement from one compartment to another, and phopholipase D activation. Three alternatively spliced transcript variants for this gene have been described.

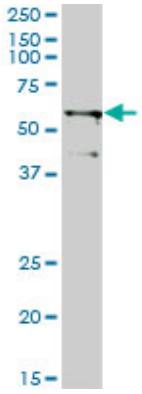
References

1.Polyubiquitin conjugation to NEMO by triparite motif protein 23 (TRIM23) is critical in antiviral defense.Arimoto K, Funami K, Saeki Y, Tanaka K, Okawa K, Takeuchi O, Akira S, Murakami Y, Shimotohno K.Proc Natl Acad Sci U S A. 2010 Sep 7;107(36):15856-61. Epub 2010 Aug 19.

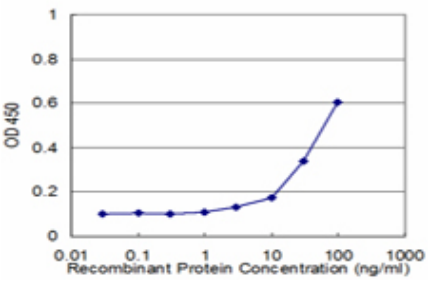
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.84 KDa) .



TRIM23 monoclonal antibody (M01), clone 2H4. Western Blot analysis of TRIM23 expression in A-431 ((Cat # AT4343a)



Detection limit for recombinant GST tagged TRIM23 is approximately 3ng/ml as a capture antibody.