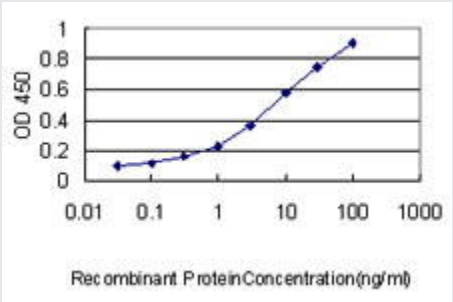
TRIM13 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	TRIM13, Monoclonal Antibody
Full Product Name	TRIM13 (LEU5, RFP2, RNF77, E3 Ubiquitin-protein Ligase TRIM13, B Cell Chronic Lymphocytic Leukemia Tumor Suppressor Leu5, Leukemia-associated Protein 5, Putative Tumor Suppressor RFP2, RING Finger Protein 77, Ret Finger Protein 2, Tripartite Motif-contain
Product Gene Name	anti-TRIM13 antibody
Clonality	Monoclonal
Isotype	IgG2a, lambda
Clone Number	2A11
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human RFP2.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
OMIM	605661
3D Structure	ModBase 3D Structure for O60858
Immunogen	Partial recombinant corresponding to aa1-100 from RFP2 (NP_005789) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MELLEEDLTCPICCSLFDDPRVLPCSHNFCKKCLEGILEGSVRNSLWRPAPFKCPTCRKETSATGINSLQVNYSLKGIVEKYNKIKISPKMPVCKGHLGQ
Conjugate	PE
Product Categories/Family for anti-TRIM13 antibody	Antibodies; Transcription Factors; TRIM (Tripartite Motif)
Applications Tested/Suitable for anti-TRIM13 antibody	ELISA (EIA)
Application Notes for anti-TRIM13 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-TRIM13 antibody	This gene encodes 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 gene is located on chromosome 13 within the minimal deletion region for B-cell chronic lymphocytic leukemia. Multiple alternatively spliced transcript variants have been found for this gene.

Other Notes	Small volumes of anti-TRIM13 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TRIM13 purchase	MBS6160826 is an antibody targeting TRIM13. Also known as TRIM13 (LEU5, RFP2, RNF77, E3 Ubiquitin-protein Ligase TRIM13, B Cell Chronic Lymphocytic Leukemia Tumor Suppressor Leu5, Leukemia-associated Protein 5, Putative Tumor Suppressor RFP2, RING Finger Protein 77, Ret Finger Protein 2, Tripartite Motif-contain. Reactive in Human. Host: Mouse.



Testing Data of anti-TRIM13 antibody
Detection limit for recombinant GST tagged RFP2 is ~0.1ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TRIM13. It may not necessarily be applicable to this product.

NCBI GI #	1676319992
NCBI GeneID	10206
NCBI Accession #	NM_005798.5
UniProt Primary Accession #	O60858
UniProt Related Accession #	O60858
GenBank Nucleotide #	NM_005798
NCBI Official Full Name	Homo sapiens tripartite motif containing 13 (TRIM13), transcript variant 1, mRNA
NCBI Official Synonym Full Names	tripartite motif containing 13
NCBI Official Symbol	TRIM13
NCBI Official Synonym Symbols	CAR; LEU5; RFP2; DLEU5; RNF77
UniProt Protein Name	E3 ubiquitin-protein ligase TRIM13
UniProt Synonym Protein Names	B-cell chronic lymphocytic leukemia tumor suppressor Leu5; Leukemia-associated protein 5; Putative tumor suppressor RFP2; RING finger protein 77; Ret finger protein 2; Tripartite motif-containing protein 13
Protein Family	E3 ubiquitin-protein ligase
UniProt Gene Name	TRIM13
UniProt Synonym Gene Names	LEU5; RFP2; RNF77
UniProt Entry Name	TRI13_HUMAN
NCBI Protein Information	E3 ubiquitin-protein ligase TRIM13

UniProt Comments for TRIM13	TRIM13: E3 ubiquitin ligase involved in the retrotranslocation and turnover of membrane and secretory proteins from the ER through a set of processes named ER-associated degradation (ERAD). This process acts on misfolded proteins as well as in the regulated degradation of correctly folded proteins. Enhances ionizing radiation-induced p53/TP53 stability and apoptosis via ubiquitinating MDM2 and AKT1 and decreasing AKT1 kinase activity through MDM2 and AKT1 proteasomal degradation. Regulates ER stress-induced autophagy, and may act as a tumor suppressor. Belongs to the TRIM/RBCC family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Ligase; Membrane protein, integral; EC 6.3.2.-; Ubiquitin ligase; Ubiquitin conjugating system; Tumor suppressor Chromosomal Location of Human Ortholog: 13q14 Cellular Component: endoplasmic reticulum membrane; cytoplasm; integral to membrane Molecular Function: protein binding; signal transducer activity; zinc ion binding; ubiquitin-protein ligase activity; ligase activity Biological Process: proteasomal ubiquitin-dependent protein catabolic process; negative regulation of viral transcription; ER-associated protein catabolic process; anatomical structure morphogenesis; protein autoubiquitination; positive regulation of I-kappaB kinase/NF-kappaB cascade; response to gamma radiation; innate immune response; signal transduction; positive regulation of macroautophagy; activation of NF-kappaB transcription factor
Research Articles on TRIM13	**1.** Results from bioinformatics analysis suggest that Tripartite motif 13 (TRIM13) may be adopted as a promising predictive biomarker for prognosis of breast cancer.
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