

Rabbit anti-Human, Mouse MRAP Polyclonal Antibody | anti-MRAP antibody

MRAP Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328030	Rabbit	Human, Mouse	ELISA, Immunohistochemistry, Western Blot

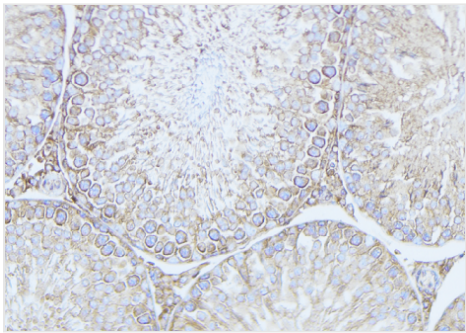
PRODUCT SYNONYMS

MRAP; Polyclonal Antibody; MRAP Antibody; B27; C21orf61; FALP; Fat cell-specific low molecular weight protein; Fat tissue-specific low MW protein; FGD2; GCCD2; Melanocortin-2 receptor accessory protein; Mrap; MRAP_HUMAN; anti-MRAP antibody

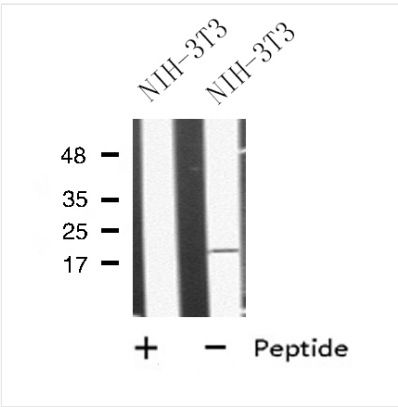
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	MRAP antibody detects endogenous levels of total MRAP
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	113
Applicable Applications for anti-MRAP antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MRAP
Subcellular Location	Cytoplasm > Perinuclear Region. Cytoplasm. Cell Membrane. Endoplasmic Reticulum. Concentrated at the perinuclear membrane region. Upon insulin stimulation, it is redistributed into spotty structures throughout the cytoplasm (By similarity). Localizes both to plasma membrane and endoplasmic reticulum.
Tissue Specificity	Expressed in adrenal cortex, testis, breast, thyroid, lymph node, ovary and fat. Expressed in adipose tissues.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA328030 at 1/100 staining Mouse testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of MRAP using NIH-3T3 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-MRAP antibody	Function: Modulator of melanocortin receptors (MC1R, MC2R, MC3R, MC4R and MC5R). Acts by increasing ligand-sensitivity of melanocortin receptors and enhancing generation of cAMP by the receptors. Required both for MC2R trafficking to the cell surface of adrenal cells and for signaling in response to corticotropin (ACTH). May be involved in the intracellular trafficking pathways in adipocyte cells. Subunit Structure: Homodimer and heterodimer. Forms antiparallel homodimers and heterodimers with MRAP2. Interacts with MC1R, MC2R, MC3R, MC4R and MC5R. Similarity: Belongs to the MRAP family.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	549806740
NCBI GeneID	56246
NCBI Accession #	NP_001272323.1
NCBI GenBank Nucleotide #	NM_001285394.1
UniProt Accession #	Q8TCY5; Q5EBR3; Q8TDB7; Q8WXC1; Q8WXC2
Molecular Weight	Observed: 19 kDa Predicted: 20 kDa
NCBI Official Full Name	melanocortin-2 receptor accessory protein isoform c
NCBI Official Synonym Full Names	melanocortin 2 receptor accessory protein
NCBI Official Symbol	MRAP
NCBI Official Synonym Symbols	B27; FALP; FGD2; GCCD2; C21orf61
NCBI Protein Information	melanocortin-2 receptor accessory protein
UniProt Protein Name	Melanocortin-2 receptor accessory protein
UniProt Gene Name	MRAP
UniProt Synonym Gene Names	C21orf61; FALP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.