



MRAP Monoclonal Antibody

Catalog No	YP-mAb-05722
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	MRAP C21orf61 FALP
Protein Name	Melanocortin-2 receptor accessory protein (B27) (Fat cell-specific low molecular weight protein) (Fat tissue-specific low MW protein)
Immunogen	Synthesized peptide derived from human protein . at AA range: 20-100
Specificity	MRAP 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 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	18kD
Cell Pathway	Cell membrane ; Single-pass membrane protein . Endoplasmic reticulum membrane ; Single-pass membrane protein . The formation of antiparallel homo- and heterodimers suggest that N- and C-terminus can both localize in the cytoplasmic and extracellular parts, depending on the context (PubMed:20371771). Upon insulin stimulation, it is redistributed into spotty structures throughout the cytoplasm. .
Tissue Specificity	Expressed in adrenal cortex, testis, breast, thyroid, lymph node, ovary and fat. Expressed in adipose tissues.
Function	disease:Defects in MRAP are the cause of glucocorticoid deficiency type 2 (GCCD2) [MIM:607398]; also known as familial glucocorticoid deficiency type 2 (FGD2). GCCD2 is an autosomal recessive disorder due to congenital insensitivity or resistance to adrenocorticotropin (ACTH). It is characterized by progressive primary adrenal insufficiency, without mineralocorticoid deficiency.,function:Required for MC2R expression in certain cell types, suggesting that it is involved in the processing, trafficking or function of MC2R. May be involved in the intracellular trafficking pathways in adipocyte cells.,subcellular location: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.,subunit:Interacts with MC2R.,tissue specificity:Expres

Background

melanocortin 2 receptor accessory protein(MRAP) Homo sapiens This gene encodes a melanocortin receptor-interacting protein. The encoded protein regulates trafficking and function of the melanocortin 2 receptor in the adrenal gland. The encoded protein can also modulate signaling of other melanocortin receptors. Mutations in this gene have been associated with familial glucocorticoid deficiency type 2. Alternatively spliced transcript variants have been described. [provided by RefSeq, Dec 2009],

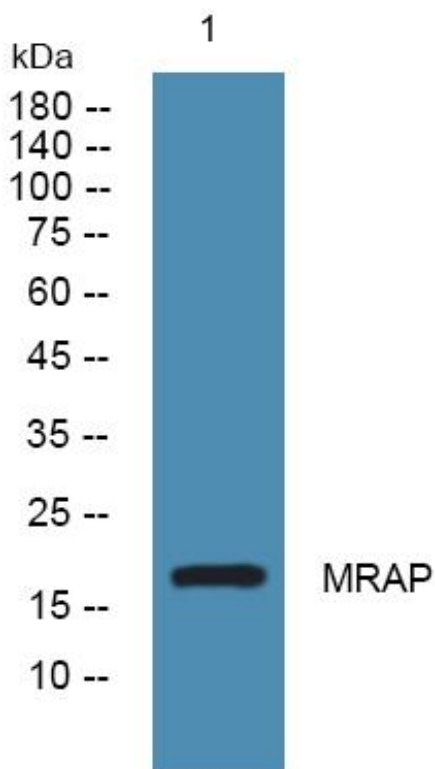
matters needing attention

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 MRAP Monoclonal Antibody