



MRAP2 Mouse mAb

Catalog No	YP-mAb-19044
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	MRAP2 C6orf117
Immunogen	Synthesized peptide derived from human MRAP2
Specificity	This antibody detects endogenous levels of MRAP2 at Human
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA 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	C6orf117;MC2R accessory protein 2;Melanocortin-2 receptor accessory protein 2;RP11 51G5.2;MRAP2 C6orf117
Observed Band	
Calculated Molecular Weight	25 aa, 24 kDa
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. .
Tissue Specificity	Expressed in the adrenal gland and brain. Not expressed in other tissues.
Function	Modulator of melanocortin receptor 4 (MC4R), a receptor involved in energy homeostasis. Plays a central role in the control of energy homeostasis and body weight regulation by increasing ligand-sensitivity of MC4R and MC4R-mediated generation of cAMP (By similarity). May also act as a negative regulator of MC2R: competes with MRAP for binding to MC2R and impairs the binding of corticotropin (ACTH) to MC2R. May also regulate activity of other melanocortin receptors (MC1R, MC3R and MC5R); however, additional evidence is required in vivo.



Background

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