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MRAP2 Rabbit pAb

Catalog # AP96757

Product Information

Application	WB, E
Primary Accession	Q96G30
Other Accession	Q96G30
Predicted	Rat, Pig, Human, Mouse, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	23548
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human MRAP2
Epitope Specificity	81-130/205
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	No data available.

Additional Information

Gene ID	112609
Other Names	C6orf117; bA51G5.2; MRAP2_HUMAN; MRAP2; MC2R accessory protein 2; melanocortin 2 receptor accessory protein 2; chromosome 6 open reading frame 117
Dilution	WB=1:500-2000,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	MRAP2
Synonyms	C6orf117
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.
Cellular Location	Cell membrane; Single-pass membrane protein. Endoplasmic reticulum membrane; Single-pass membrane protein. Note=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 Location	Expressed in the adrenal gland and brain. Not expressed in other tissues.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.