Anti-MGRN1 antibody

Description	Unconjugated Rabbit polyclonal to MGRN1

Model	STJ193009
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Gene ID	23295
Gene Symbol	MGRN1
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	MGRN1 Polyclonal Antibody detects endogenous levels of protein.
Purification	MGRN1 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	E3 ubiquitin-protein ligase MGRN1 Mahogunin RING finger protein 1 RING finger protein 156 RING-type E3 ubiquitin transferase MGRN1
Molecular Weight	60 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid form in PBS containing 50% glycerol,and 0.02% sodium azide.

Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:20254OMIM:607559
Alternative Names	E3 ubiquitin-protein ligase MGRN1 Mahogunin RING finger protein 1 RING finger protein 156 RING-type E3 ubiquitin transferase MGRN1
Function	E3 ubiquitin-protein ligase. Mediates monoubiquitination at multiple sites of TSG101 in the presence of UBE2D1, but not of UBE2G1, nor UBE2H. Plays a role in the regulation of endosome-to-lysosome trafficking. Impairs MC1R- and MC4R-signaling by competing with GNAS-binding to MCRs and inhibiting agonist-induced cAMP production. Does not inhibit ADRB2-signaling. Does not promote MC1R ubiquitination.
Sequence and Domain Family	The RING finger is required for ubiquitin ligase activity.
Cellular Localization	Early endosome. The endosomal localization is dependent on the interaction with TSG101.. Isoform 1: Cytoplasm, cytosol. Nucleus. Translocation from the cytosol to the nucleus is seen only in the presence of MC1R and MC4R, but not TBXA2R. Excluded from nucleoli.. Isoform 2: Cytoplasm, cytosol. Nucleus. Translocation from the cytosol to the nucleus is seen only in the presence of MC1R and MC4R, but not TBXA2R. Excluded from nucleoli.. Isoform 3: Cytoplasm, cytosol. Cell membrane.. Isoform 4: Cytoplasm, cytosol. Cell membrane.
Post-translational Modifications	Autoubiquitinated in vitro.