

RNF156 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP59187

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	O60291
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	60753
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human RNF156
Epitope Specificity	201-300/552
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm. Cell membrane.
SIMILARITY	Contains 1 RING-type zinc finger.
SUBUNIT	Interacts with MC1R and MC4R, but not with TBXA2R. Interacts with TSG101. Interacts with mislocalized cytosolically exposed PRNP; this interaction alters MGRN1 subcellular location and causes lysosomal enlargement (By similarity). Autoubiquitinated in vitro (By similarity).
Post-translational modifications	
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	23295
Other Names	E3 ubiquitin-protein ligase MGRN1, 2.3.2.27, Mahogunin RING finger protein 1, RING finger protein 156, RING-type E3 ubiquitin transferase MGRN1, MGRN1, KIAA0544, RNF156
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:50-200,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce

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

MGRN1

Synonyms

KIAA0544, RNF156

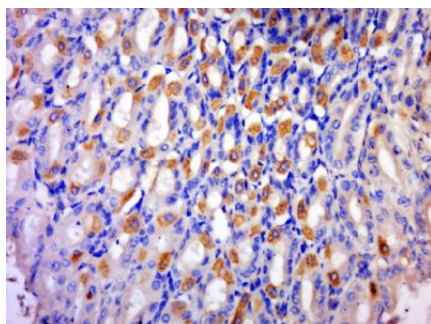
Function

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. Acts also as a negative regulator of hedgehog signaling (By similarity).

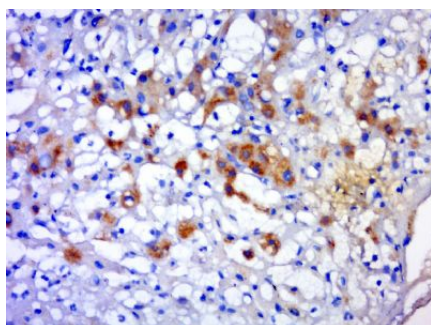
Cellular Location

Early endosome. Note=The endosomal localization is dependent on the interaction with TSG101 [Isoform 2]: Cytoplasm, cytosol. Nucleus. Note=Translocation from the cytosol to the nucleus is seen only in the presence of MC1R and MC4R, but not TBXA2R. Excluded from nucleoli [Isoform 4]: Cytoplasm, cytosol. Cell membrane.

Images



Paraformaldehyde-fixed, paraffin embedded (mouse stomach); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (RNF156) Polyclonal Antibody, Unconjugated (AP59187) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining



Paraformaldehyde-fixed, paraffin embedded (Human hepatocellular carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (RNF156) Polyclonal Antibody, Unconjugated (AP59187) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining

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