

RNF156 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP59187**Specification****RNF156 Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	O60291
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	61 KDa
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	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Important Note	

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.

RNF156 Polyclonal Antibody - 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~1:1000
IHC-P~N/A
IHC-F~N/A
IF~1:50~200
E~N/A

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.

RNF156 Polyclonal Antibody - 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).

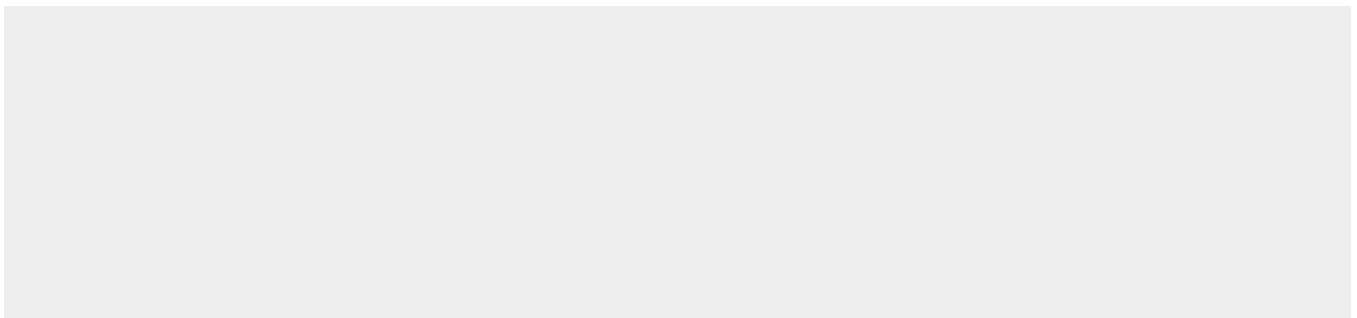
Cellular Location

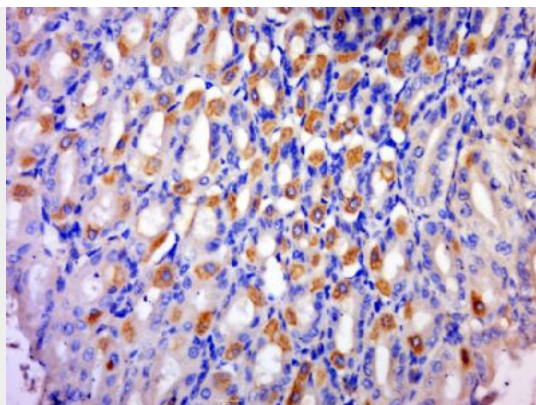
Early endosome. Note=The endosomal localization is dependent on the interaction with TSG101 [Isoform 2]: Cytoplasm, cytosol. Nucleus. Note=Translocation from the cytosol to the nucleus is seen only in the presence of MC1R and MC4R, but not TBXA2R. Excluded from nucleoli [Isoform 4]: Cytoplasm, cytosol.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

RNF156 Polyclonal Antibody - Protocols

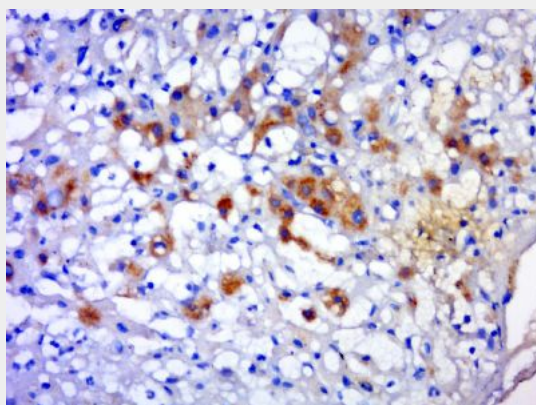
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

RNF156 Polyclonal Antibody - 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 (bs-9229R) 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 (bs-9229R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining