

ARG44871 anti-MGRN1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes MGRN1
Tested Reactivity	Hu
Tested Application	IHC-P
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Target Name	MGRN1
Species	Human
Epitope	GVEDIDIQAN SAYRYPPKSG NYFASHFFMG GEKFDTPHPE GYLFGENMDL NFLGSRPVQF PYVTPAPHEP VKTLRSLVNI RKDSLRLVRY KDDADSPTEG GDKPRVLYSL EFTFDADARV AITIYQCASE EFLNGRAVYS PKSPSLQSET VHYKRGVSQQ FSLPSFKIDF SEWKDDELNF DLDRGVFPVV IQAVVDEGDV VEVTHAHVL LAAFEKHMDG SFSVKPLKQK QIVDRVSYLL QEYGIENKN NQETKPSDDE
Conjugation	Un-conjugated
Alternate Names	MGRN1; Mahogunin Ring Finger 1; RNF156; KIAA0544; Mahogunin Ring Finger 1, E3 Ubiquitin Protein Ligase; RING-Type E3 Ubiquitin Transferase MGRN1; E3 Ubiquitin-Protein Ligase MGRN1; Mahogunin RING Finger Protein 1; RING Finger Protein 156; Probable E3 Ubiquitin-Protein Ligase MGRN1; Mahogunin, Ring Finger 1; EC 2.3.2.27; EC 6.3.2

Application Instructions

Application table	Application	Dilution
	IHC-P	1:200
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

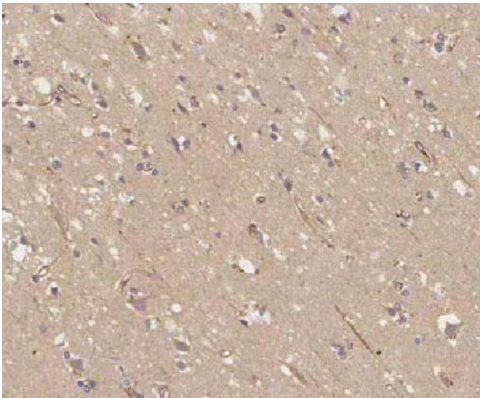
Properties

Form	Liquid
Purification	Protein A purification
Buffer	PBS with 0.09% sodium azide
Preservative	0.09% sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

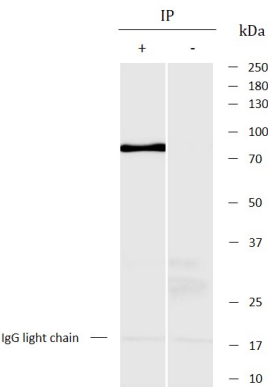
Gene Symbol	MGRN1
Gene Full Name	Mahogunin Ring Finger 1
Background	Enables ubiquitin-protein transferase activity. Involved in endosome to lysosome transport; negative regulation of signal transduction; and protein monoubiquitination. Located in several cellular components, including early endosome; endoplasmic reticulum; and nucleus. [provided by Alliance of Genome Resources, Apr 2022]
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. [UniProt]
PTM	Lipoprotein, Myristate, Phosphoprotein, Ubl conjugation. [UniProt]
Cellular Localization	Cell membrane, Cytoplasm, Endosome, Membrane, Nucleus. [UniProt]

Images



ARG44871 anti-MGRN1 antibody IHC-P image

Immunohistochemistry: Human brain stained with ARG44871 anti-MGRN1 antibody at 5 µg/mL dilution.



ARG44871 anti-MGRN1 antibody IP image

Immunoprecipitation: HEK293 lysate immunoprecipitated with 2.5 µg of ARG44871 anti-MGRN1 antibody.