ARG58219
anti-AMFR antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes AMFR
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	AMFR
Species	Human
Immunogen	E. coli-derived Human AMFR recombinant protein (Position: E553-S643). Human AMFR shares 89% amino acid (aa) sequence identity with Mouse AMFR.
Conjugation	Un-conjugated
Alternate Names	EC 6.3.2.-; E3 ubiquitin-protein ligase AMFR; RNF45; GP78; Autocrine motility factor receptor; gp78; AMF receptor; RING finger protein 45

Application Instructions

Application table

Application	Dilution
FACS	1:150 - 1:500
IHC-P	0.5 - 1 µg/ml
WB	0.1 - 0.5 µg/ml

Application Note: IHC-P: Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

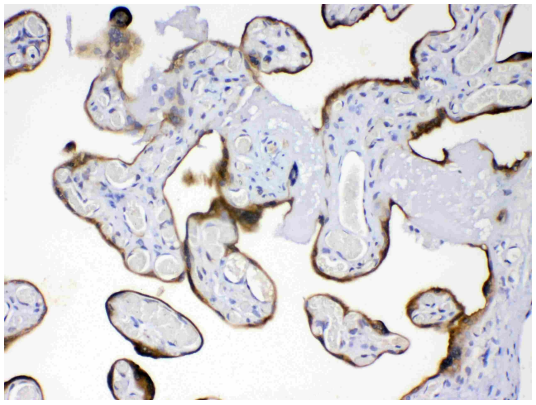
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na2HPO4, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term 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

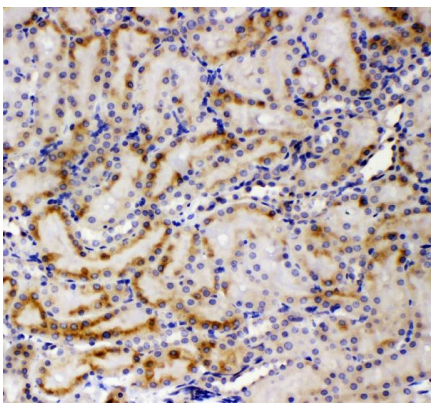
Gene Symbol	AMFR
Gene Full Name	autocrine motility factor receptor, E3 ubiquitin protein ligase
Background	This locus encodes a glycosylated transmembrane receptor. Its ligand, autocrine motility factor, is a tumor motility-stimulating protein secreted by tumor cells. The encoded receptor is also a member of the E3 ubiquitin ligase family of proteins. It catalyzes ubiquitination and endoplasmic reticulum-associated degradation of specific proteins. [provided by RefSeq, Feb 2012]
Function	E3 ubiquitin-protein ligase that mediates the polyubiquitination of a number of proteins such as CD3D, CYP3A4, CFTR and APOB for proteasomal degradation. Component of a VCP/p97-AMFR/gp78 complex that participates in the final step of endoplasmic reticulum-associated degradation (ERAD). The VCP/p97-AMFR/gp78 complex is involved in the sterol-accelerated ERAD degradation of HMGCR through binding to the HMGCR-INSIG complex at the ER membrane and initiating ubiquitination of HMGCR. The ubiquitinated HMGCR is then released from the ER by the complex into the cytosol for subsequent destruction. Also acts as a scaffold protein to assemble a complex that couples ubiquitination, retranslocation and deglycosylation. Mediates tumor invasion and metastasis as a receptor for the GPI/autocrine motility factor. [UniProt]
Calculated Mw	73 kDa
Cellular Localization	Endoplasmic reticulum membrane; Multi-pass membrane protein. [UniProt]

Images



ARG58219 anti-AMFR antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human placentas stained with ARG58219 anti-AMFR antibody at 1 µg/ml dilution.

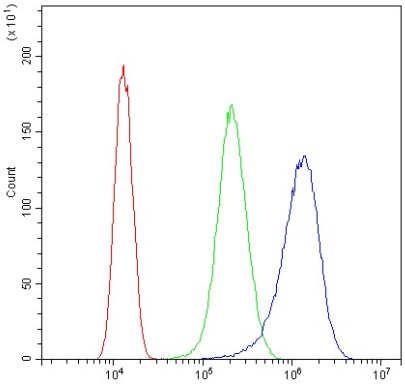


ARG58219 anti-AMFR antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat kidney tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG58219 anti-AMFR antibody at 1 µg/ml dilution, overnight at 4°C.

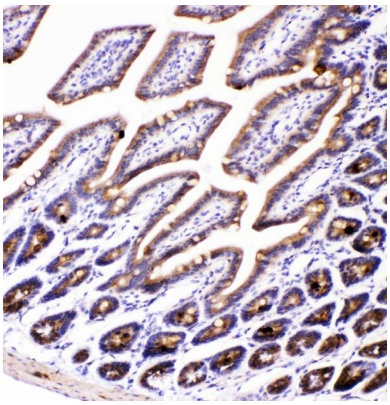
ARG58219 anti-AMFR antibody WB image

Western blot: Rat thymus extract and HeLa whole cell lysate stained with ARG58219 anti-AMFR antibody at 0.5 µg/ml dilution.



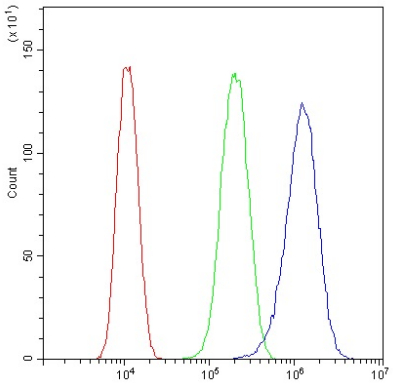
ARG58219 anti-AMFR antibody FACS image

Flow Cytometry: SiHa cells were blocked with 10% normal goat serum and then stained with ARG58219 anti-AMFR antibody (blue) at 1 µg/10^6 cells for 30 min at 20°C, followed by incubation with DyLight®488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG (1 µg/10^6 cells) used under the same conditions. Unlabelled sample (red) was also used as a control.



ARG58219 anti-AMFR antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse intestine tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG58219 anti-AMFR antibody at 1 µg/ml dilution, overnight at 4°C.



ARG58219 anti-AMFR antibody FACS image

Flow Cytometry: U87 cells were blocked with 10% normal goat serum and then stained with ARG58219 anti-AMFR antibody (blue) at 1 µg/10^6 cells for 30 min at 20°C, followed by incubation with DyLight®488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG (1 µg/10^6 cells) used under the same conditions. Unlabelled sample (red) was also used as a control.