

Rabbit anti-Human, Rat AMFR Polyclonal Antibody | anti-AMFR antibody

AMFR Antibody

CATALOG # AAA327298	HOST Rabbit	REACTIVITY Human, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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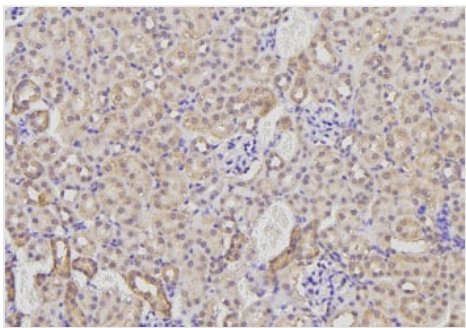
PRODUCT SYNONYMS

AMFR; Polyclonal Antibody; AMFR Antibody; AMF receptor; AMF receptor isoform 1; AMF receptor isoform 2; AMFR2_HUMAN; Autocrine motility factor receptor; Autocrine motility factor receptor precursor; isoform 1; isoform 2; E3 ubiquitin-protein ligase AMFR; gp78; RING finger protein 45; RNF 45; RNF45; anti-AMFR antibody

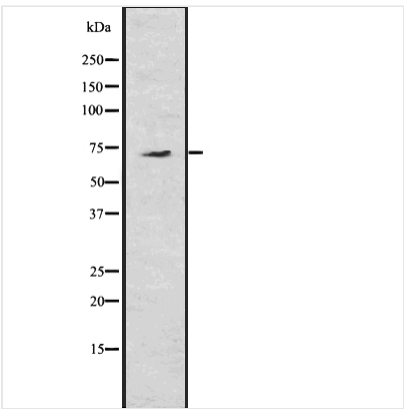
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	AMFR antibody detects endogenous levels of total AMFR
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	643
Applicable Applications for anti-AMFR antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human AMFR
Subcellular Location	Endoplasmic Reticulum Membrane.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (92%), Bovine (92%), Horse (92%), Sheep (92%), Rabbit (83%), Dog (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA327298 at 1/200 staining Rat kidney tissue sections by IHC-P.



WB (Western Blot)
Western blot analysis of AMFR using COS7 whole lysates.

ADDITIONAL INFORMATION

Related Product Information for anti-AMFR antibody	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 regulates ERAD through the ubiquitination of UBL4A a component of the BAG6/BAT3 complex. 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. Subunit Structure: Interacts with RNF5. Also forms an ERAD complex containing VCP/p97, NGLY1; PSMC1; SAKS1 AND RAD23B required for coupling retrotranslocation, ubiquitination and deglycosylation (By similarity). Interacts with DRL1. Interacts (through a region distinct from the RING finger) with UBE2G2/UBC7. Component of the VCP/p97-AMFR/gp78 complex that enhances VCP/p97 binding to polyubiquitinated proteins for their degradation by the endoplasmic reticulum-associated degradation (ERAD) pathway. Interacts (via the VIM) with VCP/p97. Interacts (via its membrane domain) with INSIG1; the interaction initiates the sterol-mediated ubiquitination and degradation of HMGCR by the ERAD pathway. Interacts with BAG6 (PubMed:21636303). Interacts with USP13 (via UBA 2 domain); the interaction is direct (PubMed:24424410). Post-translational Modifications: Palmitoylation of the RING-type zing finger by ZDHHC6 promotes localization to the peripheral endoplasmic reticulum. Similarity: The VCP/p97-interacting motif (VIM) is sufficient for binding VCP/p97 to form a complex capable of transferring VCP/p97 from the cytosol to microsomes.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21071001
NCBI GeneID	267
NCBI Accession #	NP_001135.3
NCBI GenBank Nucleotide #	NM_001144.5
UniProt Accession #	Q9UKV5; P26442; Q8IZ70
Molecular Weight	Observed: 73 kDa Predicted: 73 kDa
NCBI Official Full Name	E3 ubiquitin-protein ligase AMFR isoform c
NCBI Official Synonym Full Names	autocrine motility factor receptor
NCBI Official Symbol	AMFR

NCBI Official Synonym Symbols	GP78; RNF45
NCBI Protein Information	E3 ubiquitin-protein ligase AMFR
UniProt Protein Name	E3 ubiquitin-protein ligase AMFR
UniProt Gene Name	AMFR
UniProt Synonym Gene Names	RNF45; AMF receptor

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/amfr-antibody-immunohistochemistry-western-blot-elisa/327298>