Datasheet for ABIN7150978

anti-AMFR antibody (AA 485-643)

3 Images

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Overview

Quantity:	100 µg
Target:	AMFR
Binding Specificity:	AA 485-643
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AMFR antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human E3 ubiquitin-protein ligase AMFR protein (485-643AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	AMFR
Alternative Name:	AMFR (AMFR Products)
Background:	Background: 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

Target Details

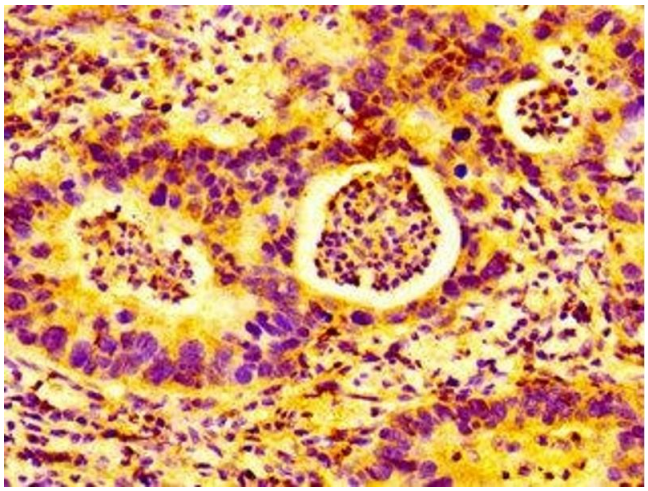
	a VCP/p97-AMFR/gp78 complex that participates in the final step of endoplasmic reticulum-associated degradation (ERAD). The VCP/p97-AMFR/gp78 complex is involved in the sterol-accelerated ERAD degradation of HMGCR through binding to the HMGCR-INSIG complex at the ER membrane and initiating ubiquitination 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. Aliases: AMF receptor antibody, AMF receptor isoform 1 antibody, AMF receptor isoform 2 antibody, AMFR antibody, AMFR2_HUMAN antibody, Autocrine motility factor receptor antibody, Autocrine motility factor receptor precursor, isoform 1 antibody, Autocrine motility factor receptor precursor, isoform 2 antibody, E3 ubiquitin-protein ligase AMFR antibody, gp78 antibody, isoform 2 antibody, RING finger protein 45 antibody, RNF 45 antibody, RNF45 antibody
UniProt:	Q9UKV5
Pathways:	ER-Nucleus Signaling

Application Details

Application Notes:	Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200,
Restrictions:	For Research Use only

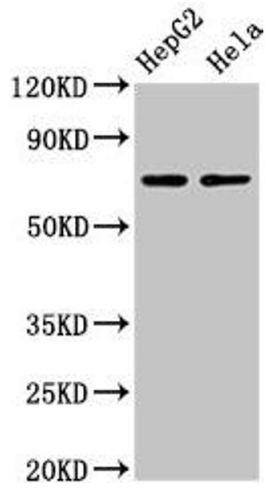
Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



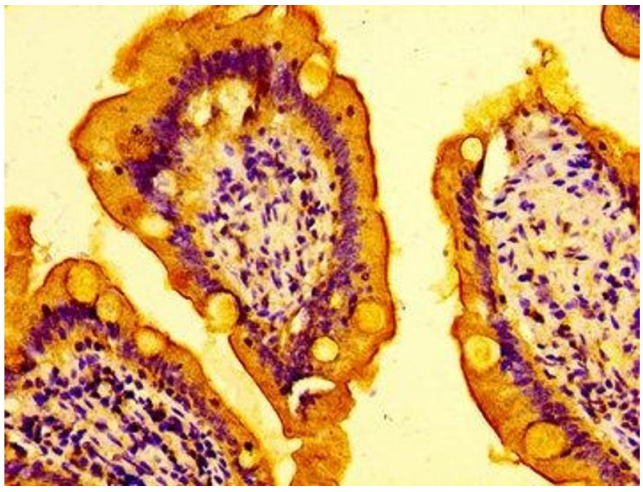
Immunohistochemistry

Image 1. IHC image of ABIN7150978 diluted at 1:100 and staining in paraffin-embedded human bladder cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Western Blotting

Image 2. Western Blot Positive WB detected in: HepG2 whole cell lysate, Hela whole cell lysate All lanes: AMFR antibody at 4 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 73 kDa Observed band size: 73 kDa



Immunohistochemistry

Image 3. IHC image of ABIN7150978 diluted at 1:100 and staining in paraffin-embedded human small intestine tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.