Datasheet for ABIN4886455

# anti-AMFR antibody (AA 553-643)

2 Images

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## Overview

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|---|---|
| Quantity: | 100 µg |
| Target: | AMFR |
| Binding Specificity: | AA 553-643 |
| Reactivity: | Human, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This AMFR antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

## Product Details

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|---|---|
| Purpose: | Rabbit IgG polyclonal antibody for E3 ubiquitin-protein ligase AMFR(AMFR) detection. Tested with WB, IHC-P in Human,Rat. |
| Immunogen: | E. coli-derived human AMFR recombinant protein (Position: E553-S643). Human AMFR shares 89% amino acid (aa) sequence identity with mouse AMFR. |
| Isotype: | IgG |
| Cross-Reactivity (Details): | No cross reactivity with other proteins. |
| Characteristics: | Rabbit IgG polyclonal antibody for E3 ubiquitin-protein ligase AMFR(AMFR) detection. Tested with WB, IHC-P in Human,Rat.<br>Gene Name: autocrine motility factor receptor<br>Protein Name: E3 ubiquitin-protein ligase AMFR |
| Purification: | Immunogen affinity purified. |

## Target Details

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|---|---|
| Target: | AMFR |
| Alternative Name: | AMFR (AMFR Products) |
| Background: | Autocrine motility factor receptor, isoform 2 is a protein that in humans is encoded by the AMFR gene. Autocrine motility factor is a tumor motility-stimulating protein secreted by tumor cells. The protein encoded by this gene is a glycosylated transmembrane protein and a receptor for autocrine motility factor. The receptor, which shows some sequence similarity to tumor protein p53, is localized to the leading and trailing edges of carcinoma cells. 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.<br><br>Synonyms: AMF receptor \| AMFR \| gp78 \| RNF 45 \| RNF45 \| Q9UKV5 |
| Gene ID: | 267 |
| Pathways: | ER-Nucleus Signaling |

## Application Details

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| Application Notes: | WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat<br>IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.<br>Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users. |
| Comment: | Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P). |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Lyophilized |
| Reconstitution: | Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL. |
| Concentration: | 500 µg/mL |
| Buffer: | Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide. |

## Handling

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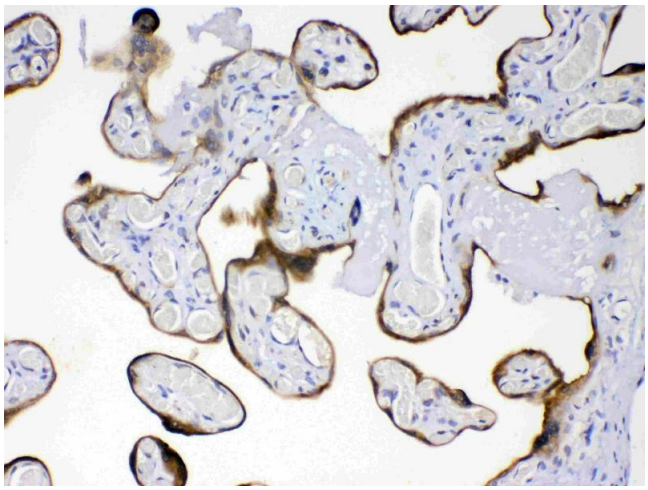
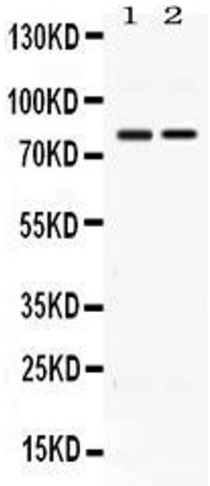
|---|---|
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freezing and thawing. |
| Storage: | 4 °C/-20 °C |
| Storage Comment: | At -20°C for one year. After reconstitution, at 4°C for one month.<br>It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing. |

## Images



**Immunohistochemistry**

**Image 1.** AMFR was detected in paraffin-embedded sections of human placenta tissues using rabbit anti- AMFR Antigen Affinity purified polyclonal antibody (Catalog # ) at 1 µg/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).




**Western Blotting**

**Image 2.** Western blot analysis of AMFR expression in rat thymus extract ( Lane 1) and HELA whole cell lysates ( Lane 2). AMFR at 78KD was detected using rabbit anti- AMFR Antigen Affinity purified polyclonal antibody (Catalog # ) at 0.5 ??g/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).