

## Datasheet for ABIN7111885 **anti-AMFR antibody**



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### Overview

|              |                                                                                                             |
|--------------|-------------------------------------------------------------------------------------------------------------|
| Quantity:    | 100 µg                                                                                                      |
| Target:      | AMFR                                                                                                        |
| Reactivity:  | Human, Mouse, Rat                                                                                           |
| Host:        | Rabbit                                                                                                      |
| Clonality:   | Polyclonal                                                                                                  |
| Conjugate:   | This AMFR antibody is un-conjugated                                                                         |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunofluorescence (IF) |

### Product Details

|               |                                    |
|---------------|------------------------------------|
| Immunogen:    | autocrine motility factor receptor |
| Isotype:      | IgG                                |
| Purification: | Immunogen affinity purified        |
| Purity:       | ≥95 % as determined by SDS-PAGE    |

### Target Details

|                   |                                                                                                                                                                                                                                                                  |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | AMFR                                                                                                                                                                                                                                                             |
| Alternative Name: | AMFR ( <a href="#">AMFR Products</a> )                                                                                                                                                                                                                           |
| Background:       | Synonyms:AMF receptor, isoform 2, AMFR, GP78, RING finger protein 45, RNF45<br>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 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.

|                   |                                      |
|-------------------|--------------------------------------|
| Molecular Weight: | 73 kDa                               |
| Gene ID:          | 267                                  |
| UniProt:          | <a href="#">Q9UKV5</a>               |
| Pathways:         | <a href="#">ER-Nucleus Signaling</a> |

## Application Details

|                    |                                                                     |
|--------------------|---------------------------------------------------------------------|
| Application Notes: | WB: 1:500-1:5000, IF: 1:10-1:100, IHC: 1:20-1:200, IP: 1:200-1:2000 |
| Restrictions:      | For Research Use only                                               |

## Handling

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                 |
| Buffer:            | PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,                                                                 |
| Preservative:      | Sodium azide                                                                                                           |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage:           | -20 °C                                                                                                                 |
| Storage Comment:   | -20°C for 12 months (Avoid repeated freeze / thaw cycles.)                                                             |
| Expiry Date:       | 12 months                                                                                                              |