

ARG45449 anti-EDEM3 antibody

Package: 50 µg
Store at: -20°C

Summary

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| Product Description | Rabbit Polyclonal antibody recognizes EDEM3 |
| Tested Reactivity | Hu |
| Tested Application | IHC-P, WB |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | EDEM3 |
| Species | Human |
| Immunogen | Recombinant protein containing to human EDEM3. |
| Conjugation | Un-conjugated |
| Alternate Names | EDEM3; ER Degradation Enhancing Alpha-Mannosidase Like Protein 3; C1orf22; ER Degradation-Enhancing Alpha-Mannosidase-Like Protein 3; ER Degradation Enhancer, Mannosidase Alpha-Like 3; Alpha-1,2-Mannosidase EDEM3; ER Degradation-Enhancing -Mannosidase-Like Protein 3; ER Degradation-Enhancing Alpha-Mannosidase-Like 3; Chromosome 1 Open Reading Frame 22; EC 3.2.1.113; CDG2V |

Application Instructions

| | | |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| Application table | Application | Dilution |
| | IHC-P | 2-5 µg/ml |
| | WB | 0.25-0.5 µg/ml |
| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |
| Observed Size | 105 kDa | |

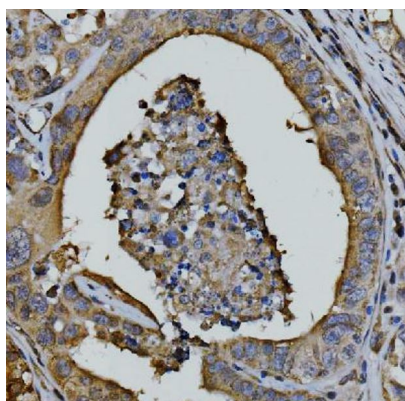
Properties

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| Form | Powder |
| Purification | Affinity purified |
| Buffer | 0.2% Na ₂ HPO ₄ , 0.9% NaCl and 4% Trehalose. |
| Stabilizer | 4% Trehalose |
| 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. |

Bioinformation

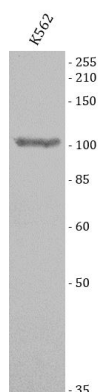
| | |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Symbol | EDEM3 |
| Gene Full Name | ER Degradation Enhancing Alpha-Mannosidase Like Protein 3 |
| Background | Quality control in the endoplasmic reticulum (ER) ensures that only properly folded proteins are retained in the cell through recognition and degradation of misfolded or unassembled proteins. EDEM3 belongs to a group of proteins that accelerate degradation of misfolded glycoproteins in the ER (Hirao et al., 2006 [PubMed 16431915]).[supplied by OMIM, Mar 2008] |
| Function | Involved in endoplasmic reticulum-associated degradation (ERAD). Accelerates the glycoprotein ERAD by proteasomes, by catalyzing mannose trimming from Man8GlcNAc2 to Man7GlcNAc2 in the N-glycans. [UniProt] |
| Calculated Mw | 105 kDa |
| PTM | Glycoprotein. [UniProt] |
| Cellular Localization | Endoplasmic reticulum. [UniProt] |

Images



ARG45449 anti-EDEM3 antibody IHC-P image

Immunohistochemistry: Human appendiceal adenocarcinoma stained with ARG45449 anti-EDEM3 antibody at 2 µg/ml dilution.



ARG45449 anti-EDEM3 antibody WB image

Western blot: K562 stained with ARG45449 anti-EDEM3 antibody at 0.5 µg/ml dilution.