

Anti-ADAM15 Antibody

ER1903-26



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|----------------------------|---|
| Product Type: | Rabbit polyclonal IgG, primary antibodies |
| Species reactivity: | Human |
| Applications: | WB, ELISA, IHC-P, IF |
| Molecular Wt: | 70 KDa |

Description: Active metalloproteinase with gelatinolytic and collagenolytic activity. Plays a role in the wound healing process. Mediates both heterotypic intraepithelial cell/T-cell interactions and homotypic T-cell aggregation. Inhibits beta-1 integrin-mediated cell adhesion and migration of airway smooth muscle cells. Suppresses cell motility on or towards fibronectin possibly by driving alpha-v/beta-1 integrin (ITAGV-ITGB1) cell surface expression via ERK1/2 inactivation. Cleaves E-cadherin in response to growth factor deprivation. Plays a role in glomerular cell migration. Plays a role in pathological neovascularization. May play a role in cartilage remodeling. May be proteolytically processed, during sperm epididymal maturation and the acrosome reaction. May play a role in sperm-egg binding through its disintegrin domain.

Immunogen: KLH conjugated synthetic peptide derived from human ADAM15 621-720/863

Positive control: Expressed in colon and small intestine. Expressed in airway smooth muscle and glomerular mesangial cells (at protein level). Ubiquitously expressed. Overexpressed in atherosclerotic lesions. Constitutively expressed in cultured endothelium and smooth muscle. Expressed in chondrocytes. Expressed in airway smooth muscle and glomerular mesangial cells.

Subcellular location: Endomembrane system; Single-pass type I membrane protein. Cell junction, adherens junction. Cell projection, cilium, flagellum (By similarity). Cytoplasmic vesicle, secretory vesicle, acrosome (By similarity). Note=The majority of the protein is localized in a perinuclear compartment which may correspond to the trans-Golgi network or the late endosome. The pro-protein is the major detectable form on the cell surface, whereas the majority of the protein in the cell is processed (By similarity).

Database links: SwissProt: Q13444 Human

Recommended Dilutions:

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|--------------|--------------|
| WB | 1:500-2000 |
| ELISA | 1:5000-10000 |
| IHC-P | 1:100-500 |
| IF | 1:100-500 |

Storage Buffer: 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

Storage Instruction: Store at -20°C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4°C.

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

Service mail:support@huabio.cn

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Images

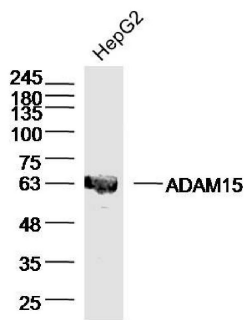


Fig1: Sample: hepG2 (human)cell Lysate at 40 ug
Primary: Anti-ADAM15 (ER1903-26)at 1/300 dilution
Secondary: Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 70kD
Observed band size: 63kD

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

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