

**ADAM15 Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS17264****Specification**

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**ADAM15 Antibody - Product Information**

Application	<b>IHC-P</b>
Primary Accession	<a href="#">O13444</a>
Other Accession	<a href="#">8751</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>IgG</b>
Calculated MW	<b>92959</b>

**ADAM15 Antibody - Additional Information****Gene ID** 8751**Other Names**

ADAM15, ADAM 15, MDC15, Metargidin, MDC-15, TMDC VI

**Target/Specificity**

Human ADAM15

**Reconstitution & Storage**

PBS, pH 7.4, 0.03% Proclin 300, 50% glycerol. Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

**Precautions**

ADAM15 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**ADAM15 Antibody - Protein Information****Name** ADAM15**Synonyms** MDC15**Function**

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.

**Cellular Location**

Endomembrane system; Single-pass type I membrane protein. Cell junction, adherens junction. Cell projection, cilium, flagellum. Cytoplasmic vesicle, secretory vesicle, acrosome. 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).

**Tissue Location**

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.

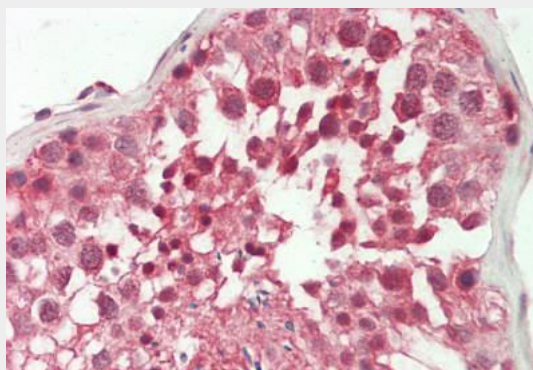
**Volume**

50 µl

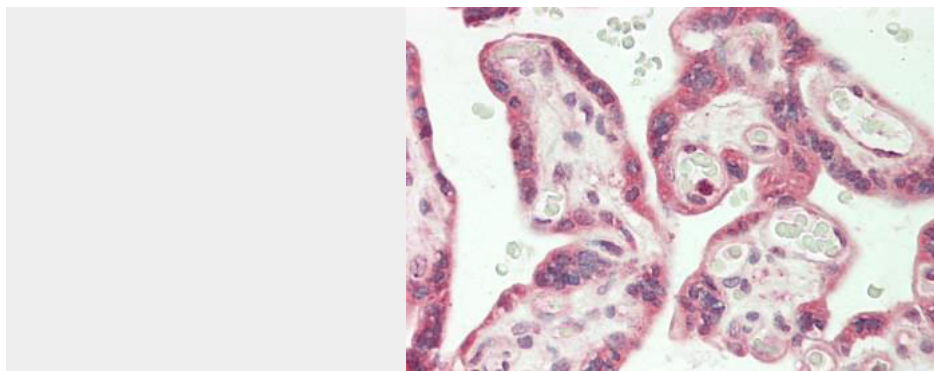
**ADAM15 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**ADAM15 Antibody - Images**

Human Testis: Formalin-Fixed, Paraffin-Embedded (FFPE)



Human Placenta: Formalin-Fixed, Paraffin-Embedded (FFPE)

### **ADAM15 Antibody - Background**

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### **ADAM15 Antibody - References**

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Herren B., et al. FASEB J. 11:173-180(1997).  
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Kleino I., et al. BMC Mol. Biol. 8:90-90(2007).  
Zhong J.L., et al. Mol. Cancer Res. 6:383-394(2008).