

## Rabbit ADAM12 Polyclonal Antibody | anti-ADAM12 antibody

ADAM12

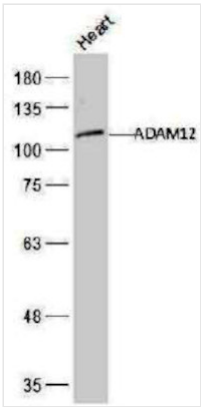
| CATALOG # | HOST   | REACTIVITY                                        | APPLICATIONS                                                              |
|-----------|--------|---------------------------------------------------|---------------------------------------------------------------------------|
| AAA268969 | Rabbit | Human, Mouse, Rat, Chicken, Dog, Pig, Cow, Rabbit | ELISA, Immunofluorescence, Flow Cytometry, Functional Assay, Western Blot |

### PRODUCT SYNONYMS

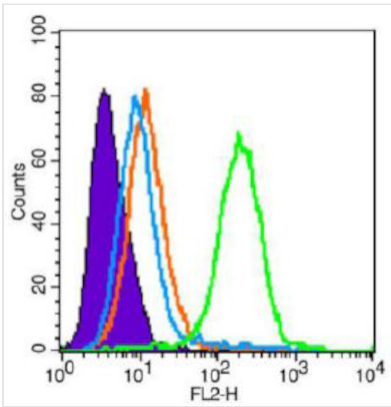
ADAM12; Polyclonal Antibody; A disintegrin and metalloproteinase domain 12; ADA12\_HUMAN; ADAM 12; ADAM metalloproteinase domain 12; Disintegrin and metalloproteinase domain-containing protein 12; MCMP; MCMPMltna; Meltrin alpha; Meltrin-alpha; MLTN; MLTNA; OTTHUMP00000046766; anti-ADAM12 antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                                                                                                    |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                                                                                                             |
| Reactivity                                       | Human, Mouse, Rat, Chicken, Dog, Pig, Cow, Rabbit                                                                                                                                                                                                                  |
| Clonality                                        | Polyclonal                                                                                                                                                                                                                                                         |
| Isotype                                          | IgG                                                                                                                                                                                                                                                                |
| Purity/Purification                              | Protein A affinity purified.                                                                                                                                                                                                                                       |
| Form/Format                                      | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.                                                                                                                                                                                                   |
| Applicable Applications for anti-ADAM12 antibody | ELISA, IF (Immunofluorescence), FCM/FACS (Flow Cytometry), WB (Western Blot)                                                                                                                                                                                       |
| Immunogen                                        | KLH conjugated synthetic peptide derived from human ADAM12 201-300/909                                                                                                                                                                                             |
| Conjugation                                      | AF750                                                                                                                                                                                                                                                              |
| Positive control                                 | Isoform 1 is expressed in placenta and skeletal, cardiac, and smooth muscle. Isoform 2 seems to be expressed only in placenta or in embryo and fetus. Both forms were expressed in some tumor cells lines. Not detected in brain, lung, liver, kidney or pancreas. |
| Subcellular location                             | Isoform 1: Cell membrane; Single-pass type I membrane protein. Isoform 2: Secreted.                                                                                                                                                                                |
| Isoform                                          | Isoform3: Secreted (Potential).<br>Isoform 4: Secreted (Potential).                                                                                                                                                                                                |
| Preparation and Storage                          | Store at -20° for one year. Avoid repeated freeze/thaw cycles.                                                                                                                                                                                                     |



**Application Data**  
Sample:Heart (Mouse) Lysate at 40 ug. Primary: Anti-ADAM12 at 1/500 dilution.Secondary: Goat Anti-Rabbit IgG at 1/20000 dilution. Predicted band size: 77/100 kD. Observed band size: 115 kD.



**Application Data**  
Blank control (Black line): U87MG (Black).Primary Antibody (green line): Rabbit Anti-ADAM12 antibody. Dilution: 1 ug /106 cells; Isotype Control Antibody (orange line): Rabbit IgG.Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE. Dilution: 1ug/test. Protocol: The cells were fixed with 4% PFA (10min at room temperature)and then were incubated in 5%BSA to block non specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature.The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                              |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-ADAM12 antibody | Description: Involved in skeletal muscle regeneration, specifically at the onset of cell fusion. Also involved in macrophage-derived giant cells (MGC) and osteoclast formation from mononuclear precursors (By similarity). |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                     |            |
|---------------------|------------|
| UniProt Accession # | O43184     |
| Molecular Weight    | 77/100 KDa |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.