

**Adam12 (mouse) Antibody (internal region)**  
Peptide-affinity purified goat antibody  
Catalog # AF3602a

### Specification

#### Adam12 (mouse) Antibody (internal region) - Product Information

Application	E
Primary Accession	<a href="#">O43184</a>
Other Accession	<a href="#">NP_031426.2</a> , <a href="#">8038</a> , <a href="#">11489 (mouse)</a> , <a href="#">679837 (rat)</a>
Predicted	Mouse, Rat, Pig
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	99542

#### Adam12 (mouse) Antibody (internal region) - Additional Information

##### Gene ID 8038

##### Other Names

Disintegrin and metalloproteinase domain-containing protein 12, ADAM 12, 3.4.24.-, Meltrin-alpha, ADAM12, MLTN

##### Dilution

E~~N/A

##### Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

##### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

##### Precautions

Adam12 (mouse) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

#### Adam12 (mouse) Antibody (internal region) - Protein Information

##### Name ADAM12

##### Synonyms MLTN

##### Function

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).

#### **Cellular Location**

[Isoform 1]: Cell membrane; Single-pass type I membrane protein [Isoform 3]: Secreted.

#### **Tissue Location**

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

### **Adam12 (mouse) Antibody (internal region) - 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](#)

### **Adam12 (mouse) Antibody (internal region) - Images**

### **Adam12 (mouse) Antibody (internal region) - Background**

This antibody is expected to recognize both reported isoforms (NP\_003465.3; NP\_067673.2).

### **Adam12 (mouse) Antibody (internal region) - References**

Z-DNA-forming silencer in the first exon regulates human ADAM-12 gene expression. Ray BK, Dhar S, Shakya A, Ray A. Proc Natl Acad Sci U S A. 2011 Jan 4;108(1):103-8. PMID: 21173277