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Adam12 (mouse) Antibody (internal region)

Peptide-affinity purified goat antibody
Catalog # AF3602a

Specification

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

Application	**E**
Primary Accession	O43184
Other Accession	NP_031426.2, 8038, 11489 (mouse), 679837 (rat)
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

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 Cytomety
- 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