

ADAM12 (aa225-239) Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3601a**Specification**

ADAM12 (aa225-239) Antibody (internal region) - Product Information

Application	WB, E
Primary Accession	O43184
Other Accession	NP_003465.3 , NP_067673.2 , 8038 , 11489 (mouse), 679837 (rat)
Reactivity	Human, Mouse, Rat
Predicted	Pig
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	99542

ADAM12 (aa225-239) 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

WB~~1:1000

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 (aa225-239) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

ADAM12 (aa225-239) 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 (aa225-239) 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 (aa225-239) Antibody (internal region) - Images

AF3601a (0.3 µg/ml) staining of Mouse Heart lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

ADAM12 (aa225-239) Antibody (internal region) - Background

This antibody is expected to recognize both reported isoforms (NP_003465.3; NP_067673.2).

ADAM12 (aa225-239) 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