Rabbit Anti-Human ADAM Metallopeptidase Domain 12 Polyclonal Antibody

Cat. No. CPBT-676RH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Rabbit Anti-Human ADAM metallopeptidase domain 12 Polyclonal Antibody.
Species	Human
Source	Rabbit
Antigen Dscription	ADAM12, also named as MLTN and Meltrin-alpha, is involved in skeletal muscle regeneration, specifically at the onset of cell fusion. It is also involved in macrophage-derived giant cells (MGC) and osteoclast formation from mononuclear precursors. ADAM12 is expressed in human malignant tumors. It is involved in the regulation of growth factor activities and integrin functions, leading to promotion of cell growth and invasion, although the precise mechanisms of these are not clear at the present time.(PMID:17355265) ADAM12's ability to degrade extracellular matrix components likely allows it to detach cancer cells from the basement membrane and assist them on their route to metastasis. But the protein's role not just as a biomarker of breast cancer but as a gateway to cancer cell migration is only now being understood.
Host Animal	Rabbit
Species Reactivity	Human
Immunogen	Human ADAM12 gst fusion protein
Isotype	IgG

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Purification	Antigen Affinity purified
Caculated Molecular Weight	100kd
Observed Molecular Weight	97kd,68kd
Applications	ELISA, WB, IHC, IF
Storage	PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3. -20 oC, Avoid freeze / thaw cycles.
Officialsymbol	ADAM12

GENE INFORMATION

Gene Name	ADAM12 ADAM metallopeptidase domain 12 [Homo sapiens]
Synonyms	ADAM12; ADAM metallopeptidase domain 12; MCMP; MCMPMltna; MLTN; MLTNA; A Disintegrin and Metalloprotease Domain 12 S isoform; ADAM12 precursor (EC 3.4.24); Meltrin alpha; ADAM12 ADAM metallopeptidase domain 12; OTTHUMP00000020727; OTTHUMP00000046766; a disintegrin and metalloproteinase domain 12 (meltrin alpha); EC 3.4.24.; A disintegrin and metalloproteinase domain 12
Gene ID	8038
mRNA Refseq	NM_003474
Protein Refseq	NP_003465

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MIM	602714
UniProt ID	O43184
Chromosome Location	10q26.3
Pathway	Signaling by EGFR
Function	SH3 domain binding; metal ion binding ; metalloendopeptidase activity; peptidase activity; protein binding; zinc ion binding

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