ADAM10 Antibody

Catalog No: #24044

Orders: order@signalwayantibody.com
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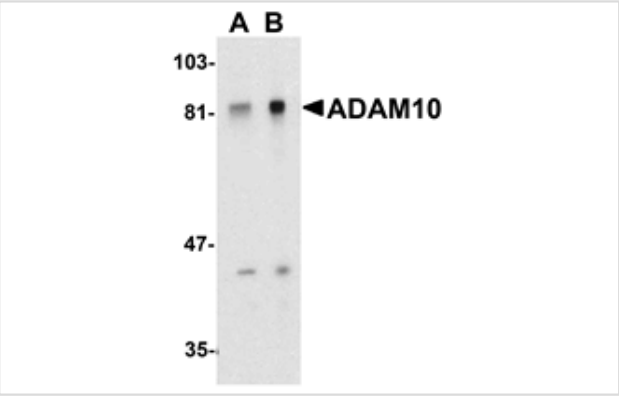
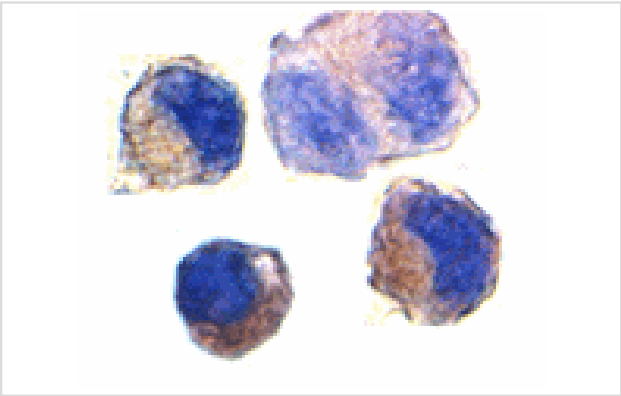
Description

Product Name	ADAM10 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	ADAM10 Antibody is Protein A purified.
Applications	ELISA WB ICC
Species Reactivity	Hu
Immunogen Type	Peptide
Immunogen Description	Raised against a peptide corresponding to amino acids 732 to 748 of human ADAM10. This sequence is identical to those of bovine and rat origins and differs from that of mouse ADAM10 by one amino acid (2,4).
Target Name	ADAM10
Other Names	KUZ
Accession No.	Swiss-Prot:O14672Gene ID:102
Uniprot	O14672
GeneID	102;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



Western blot analysis of ADAM10 in Jurkat whole cell lysate with ADAM10 antibody at (A) 1 and (B) 2 ug/mL.



Immunocytochemistry staining of K562 cells using ADAM10 antibody at 2 ug/mL.

Background

Proinflammatory cytokine tumor necrosis factor-alpha (TNF-α) contributes to a variety of inflammatory responses and programmed cell death. Notch receptor and its ligand participate in cell fate decisions during vertebrate development and are associated with several human disorders, including a T-cell lymphoma. TNF-α, notch and its ligand delta are all membrane-bond molecules, which are cleaved by proteases to release mature proteins or functional receptor. ADAM10, a metalloprotease-disintegrin in the family of mammalian ADAM (for a disintegrin and metalloprotease), was recently identified to cleave TNF-α, notch and its ligand delta. The genes encoding human, mouse, and bovine ADAM10 were recently cloned and designated ADAM 10, kuzbanian (KUZ), and MADM, respectively. ADAM10 mRNA is expressed in a variety of human and bovine tissues.

Note: This product is for in vitro research use only