

## Product datasheet for AP05089PU-N

### ADAM10 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	<b>Western Blot:</b> 0.25-1 µg/ml. Detects an 85 kDa band can be detected in Jurkat cell lysates which may represent precursor protein. A faint 60 kDa band is also detected in some cell lines, including Jurkat, which may be processed mature protein. <i>Positive Control/Tissue Expression:</i> Jurkat whole cell lysate.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to amino acids 732-748 off the Human ADAM10.
Specificity:	This antibody recognizes ADAM10.
Formulation:	Phosphate buffered saline solution containing 0.02% Sodium Azide as a preservative. State: Purified State: Liquid purified IgG fraction.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	The antibody can be shipped at ambient temperature. Store (in aliquots) at -20°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	ADAM metallopeptidase domain 10
Database Link:	<a href="#">Entrez Gene 102 Human</a> <a href="#">O14672</a>



[View online »](#)

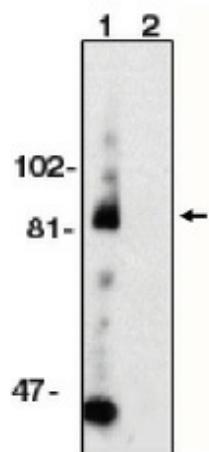
**Background:**

Proinflammatory cytokine tumor necrosis factor- $\alpha$  (TNF- $\alpha$ ) 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- $\alpha$ , 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- $\alpha$ , notch and its ligand delta (1-3). The genes encoding human, mouse, and bovine ADAM10 were recently cloned and designated ADAM 10, kuzbanian (KUZ), and MADM, respectively, (1,2,4). ADAM10 mRNA is expressed in a variety of human and bovine tissues (1,4).

**Synonyms:**

KUZ, MADM, Kuzbanian protein homolog

**Product images:**

Western blot analysis: ADAM10 antibody staining of Jurkat cell lysate at 0.5 ug/ml. Lane 1: Without Blocking peptide Lane 2: With Blocking peptide