

**RABBIT ANTI-ADAM10/KUZBANIAN/MADM
POLYCLONAL ANTIBODY**

CATALOG NUMBER: AB19026

LOT NUMBER:

QUANTITY: 100 µg

CONCENTRATION: 1 mg/mL

SPECIFICITY: Tumor-necrosis factor alpha is a proinflammatory cytokine and contributes to a variety of inflammatory disease 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. TNA-alpha, notch and its ligand delta are all membrane-bound 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 metalloproteinase domain), 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 ADAM10, kuzbanian (KUZ), and MADM, respectively, (1,2,4). ADAM10mRNA is expressed in a variety of human and bovine tissues.

IMMUNOGEN: Raised against a peptide corresponding to amino acids 732-748 of human ADAM10 (1). This sequence is identical to those of bovine and rat origins and differs from that of mouse ADAM10 by one amino acid (2,4).

APPLICATIONS: Western blot: 1:500 – 1:2,000 dilution. Jurkat whole cell lysate can be used as a positive control and an 85 kDa band can be detected which may represent precursor. A 60 kDa faint band was detected in some cell lines including Jurkat, which appears to be the processed mature protein.

Optimal working dilutions must be determined by end user.

SPECIES REACTIVITIES: Human, mouse, rat and bovine.

FORMAT: Purified immunoglobulin

PRESENTATION: Supplied in PBS containing 0.02% sodium azide.

STORAGE/HANDLING: Maintain frozen at -20°C in undiluted aliquots for up to 12 months. Avoid repeated freeze/thaw cycles.

REFERENCES:

1. Rosendahl, M.S. (1997) *J. Biol. Chem.* **272**: 24588-93.
2. Pan, D. (1997) *Cell* **90**: 271-80.
3. Qi, H., et al. (1999) *Science* **283**: 91-4.
4. Howard, L., et al. (1996) *Biochem J.* **317**: 45-50.

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

For research use only; not for use as a diagnostic.