

**Product:** Anti-ADAM10/KUZ/MADM (CT)  
**Catalog #:** 12-2051  
**Amount:** 25 mg

---

**CATEGORY:**  
**DESCRIPTION:**

**Rabbit** Polyclonal  
TNF- $\alpha$ , 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 (a disintegrin and metalloprotease), was recently identified to cleave TNF- $\alpha$ , notch and its ligand delta. The genes encoding human, mouse, and bovine ADAM10 were recently cloned and designated ADAM10, kuzbanian (KUZ) and MADM, respectively. ADAM10 mRNA is expressed in a variety of human and bovine tissues.

**FORM:**  
**IMMUNOGEN:**

Purified IgG in PBS containing 0.02% Sodium Azide  
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.

**APPLICATION:**  
**REACTIVITY/SPECIES:**  
**RECOMMENDED FOR POSITIVE CONTROL:**

Immunoblotting (min. dilution 1:500)  
Human, mouse, rat

**STORAGE:**

Jurkat whole cell lysate (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)  
2-8°C for immediate use, or at -20°C (aliquot)

**12-2051-1 Blocking peptide available**

**REFERENCES:**

Rosendahl, MS. et al. (1997) J Biol Chem **272**: 24588-24593  
Pan, D. & Rubin, GM. (1997) Cell **90**: 271-280  
Qi, H. et al. (1999) Science **283**: 91-94  
Howard, L. et al. (1996) Biochem J **317**: 45-50

This product is sold for laboratory research use or further manufacturing only and should not be used for human therapeutic or diagnostic applications. The information presented is believed to be accurate; however, said information and products are offered without warranty or guarantee since the ultimate conditions of use and the variability of the materials treated are beyond our control. Nothing disclosed herein is to be construed as a recommendation to use our products in violation of any patents. Under no circumstances shall ARP American Research Products, Inc. be liable for damages, whether consequential, compensatory, incidental or special, strict liability or negligence, breach of warranty or any other theory arising out of the use of the products available from ARP American Research Products, Inc. Nothing contained herein warrants that the use of the products will not infringe on the claims of any patents covering the product itself or the use thereof in combination with other products or in the operation of any process.