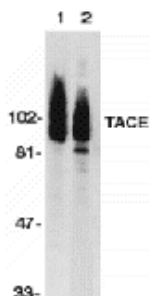


## Anti-TACE (ADAM17) Purified

Catalog Number: 14-6202

RUO: For Research Use Only



Immunoblot analysis of HeLa (Lane 1) and Jurkat (Lane 2) reduced cell lysate using Anti-TACE (ADAM17) Purified at 1:500 dilution and detected using Anti-Rabbit IgG-HRP

### Product Information

**Contents:** Anti-TACE (ADAM17) Purified

**REF** **Catalog Number:** 14-6202

**Clone:** Polyclonal

**Concentration:** 0.5 mg/mL

**Host/Isotype:** Rabbit IgG

**Formulation:** This product is supplied as purified rabbit IgG fraction in PBS, 0.02% sodium azide.



**Temperature Limitation:** Store at 2-8°C.



**Batch Code:** Refer to Vial



**Use By:** Refer to Vial



**Caution, contains Azide**

### Description

The polyclonal antibody reacts with human, mouse, and rat TACE; the antibody was raised against residues 807-823 of human ADAM17, also known as TACE (TNF- $\alpha$  Converting Enzyme), and recognizes human, mouse and rat ADAM17. ADAM17/TACE is a member of the ADAM (A Disintegrin And Metalloprotease) family of membrane-anchored glycoproteins comprised of several distinct protein modules, including a pro- and metalloprotease domain, disintegrin domain, cysteine-rich region and an EGF repeat. ADAM17 converts TNF- $\alpha$  from its membrane-bound precursor (26 kDa) to generate the secreted mature form (17 kDa). ADAM17 also processes other molecules such as TNF receptor, TGF- $\alpha$ , and CD62L (L-Selectin). ADAM17 is expressed by a variety of human and mouse tissues.

### Applications Reported

This polyclonal antibody has been reported for use in immunoblotting (WB).

### Applications Tested

This polyclonal antibody can be used for immunoblotting (1:500-1:2000 dilution) of ADAM17 from Jurkat or HeLa cell lysate as positive control. 80-130 kDa bands can be detected representing the precursor, mature and glycosylated forms of ADAM17. It is recommended that the reagent be carefully titrated for optimal performance in the assay of interest.

### References

- Vincent, B., E. Paitel, et al.** 2001. The disintegrins ADAM10 and TACE contribute to the constitutive and phorbol ester-regulated normal cleavage of the cellular prion protein. *J Biol Chem* 276:37743-6
- Hurtado, O., A. Cardenas, et al.** 2001. Up-regulation of TNF-alpha convertase (TACE/ADAM17) after oxygen-glucose deprivation in rat forebrain slices. *Neuropharmacology* 40:1094-102
- Nelson, K. K., J. Schlondorff, et al.** 1999. Evidence for an interaction of the metalloprotease-disintegrin tumour necrosis factor alpha convertase (TACE) with mitotic arrest deficient 2 (MAD2), and of the metalloprotease-disintegrin MDC9 with a novel MAD2-related protein, MAD2beta. *Biochem J* 343: 673-80
- Mizui, Y., K. Yamazaki, et al.** 1999. cDNA cloning of mouse tumor necrosis factor-alpha converting enzyme (TACE) and partial analysis of its promoter. *Gene* 233: 67-74

### Related Products

18-8816 Rabbit TrueBlot®: Anti-Rabbit IgG HRP

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