ARG63476
anti-ADAM17 / TACE antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes ADAM17 / TACE
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat
Tested Application	IHC-P, WB
Specificity	This antibody is expected to recognise isoform 1 (represented by NP_003174) and not isoform 2 (represented by NP_068604).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	ADAM17 / TACE
Species	Human
Immunogen	LQRQNRVDSKETEC
Conjugation	Un-conjugated
Alternate Names	CD antigen CD156b; TNF-alpha convertase; NISBD; ADAM 17; Disintegrin and metalloproteinase domain-containing protein 17; Snake venom-like protease; TACE; NISBD1; ADAM18; EC 3.4.24.86; CSVP; CD156B; TNF-alpha-converting enzyme

Application Instructions

Application table

Application	Dilution
IHC-P	3 - 5 µg/ml
WB	0.1 - 0.3 µg/ml

Application Note

WB: Recommend incubate at RT for 1h.
IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

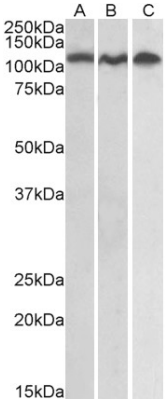
Bioinformation

Database links	GeneID: 6868 Human Swiss-port # P78536 Human
Background	This gene encodes a member of the ADAM (a disintegrin and metalloprotease domain) family. Members of this family are membrane-anchored proteins structurally related to snake venom disintegrins, and have been implicated in a variety of biologic processes involving cell-cell and cell-matrix interactions, including fertilization, muscle development, and neurogenesis. The protein encoded by this gene functions as a tumor necrosis factor-alpha converting enzyme; binds mitotic arrest deficient 2 protein; and also plays a prominent role in the activation of the Notch signaling pathway. [provided by RefSeq, Jul 2008]
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Developmental Biology antibody; Metabolism antibody; Neuroscience antibody; Signaling Transduction antibody
Calculated Mw	93 kDa
PTM	The precursor is cleaved by a furin endopeptidase. Phosphorylated. Stimulation by growth factor or phorbol 12-myristate 13-acetate induces phosphorylation of Ser-819 but decreases phosphorylation of Ser-791. Phosphorylation at THR-735 by MAPK14 is required for ADAM17-mediated ectodomain shedding.

Images

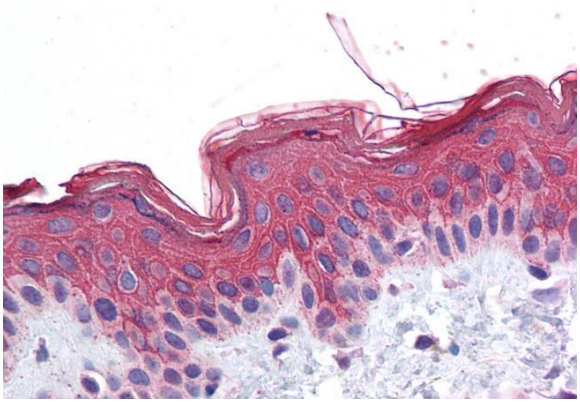
ARG63476 anti-ADAM17 / TACE antibody WB image

Western Blot: Human Testis lysate (RIPA buffer, 35 µg total protein per lane) stained with ARG63476 anti-ADAM17 / TACE antibody at 0.2 µg/ml dilution.



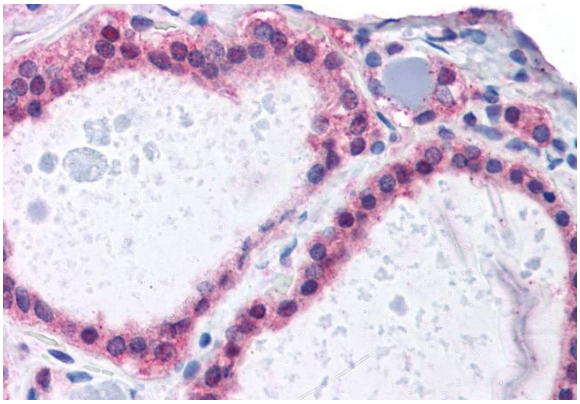
ARG63476 anti-ADAM17 / TACE antibody WB image

Western Blot: Daudi (A), Jurkat (B) and HeLa (C) lysates (35 µg total protein in RIPA buffer) stained with ARG63476 anti-ADAM17 / TACE antibody at 0.3 µg/ml dilution.



ARG63476 anti-ADAM17 / TACE antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human skin tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63476 anti-ADAM17 / TACE antibody at 3.75 µg/ml dilution followed by AP-staining.



ARG63476 anti-ADAM17 / TACE antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human thyroid tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63476 anti-ADAM17 / TACE antibody at 3.75 µg/ml dilution followed by AP-staining.