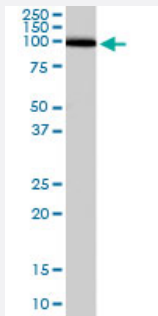


ADAM17 polyclonal antibody

Catalog # PAB6141 Size 100 ug

Applications



Western Blot (Cell lysate)

ADAM17 polyclonal antibody (Cat # PAB6141) staining (0.2 ug/mL) of HeLa lysate (RIPA buffer, 35 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of ADAM17.
Immunogen	A synthetic peptide corresponding to human ADAM17.
Sequence	LQRQNRVDSKETEC
Host	Goat
Theoretical MW (kDa)	93
Reactivity	Human
Specificity	This antibody is expected to recognize isoform 1 (represented by NP_003174) and not isoform 2 (represented by NP_068604).
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.

Recommend Usage	ELISA (1:128000) Western Blot (0.1-0.3 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

ADAM17 polyclonal antibody (Cat # PAB6141) staining (0.2 ug/mL) of HeLa lysate (RIPA buffer, 35 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — ADAM17

Entrez GeneID	6868
Protein Accession#	NP_003174.3
Gene Name	ADAM17
Gene Alias	CD156b, MGC71942, TACE, cSVP
Gene Description	ADAM metallopeptidase domain 17
Omim ID	603639
Gene Ontology	Hyperlink
Gene Summary	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]

Other Designations

TNF-alpha converting enzyme|a disintegrin and metalloproteinase domain 17 (tumor necrosis factor, alpha, converting enzyme)|snake venom-like protease|tumor necrosis factor, alpha, converting enzyme

Publication Reference

- [A metalloproteinase disintegrin that releases tumour-necrosis factor-alpha from cells.](#)

Black RA, Rauch CT, Kozlosky CJ, Peschon JJ, Slack JL, Wolfson MF, Castner BJ, Stocking KL, Reddy P, Srinivasan S, Nelson N, Boiani N, Schooley KA, Gerhart M, Davis R, Fitzner JN, Johnson RS, Paxton RJ, March CJ, Cerretti DP.

Nature 1997 Feb; 385(6618):729.

Pathway

- [Epithelial cell signaling in Helicobacter pylori infection](#)
- [Notch signaling pathway](#)

Disease

- [Alzheimer Disease](#)
- [Arthritis](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Chronic Disease](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Coronary Artery Disease](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)

- [Genetic Predisposition to Disease](#)
- [Lymphoma](#)
- [Myocardial Infarction](#)
- [Peripheral Vascular Diseases](#)
- [Tobacco Use Disorder](#)
- [Tooth Abnormalities](#)