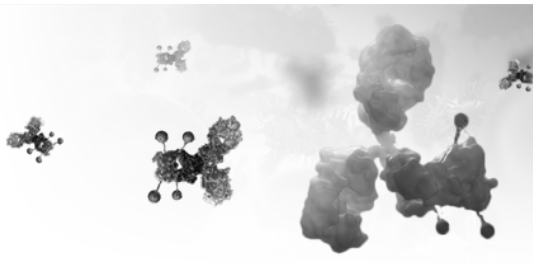

Anti-ADAM17 polyclonal antibody (CPBT-66093RH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	This product recognises Human CD156b, also known as ADAM17, a type I transmembrane glycoprotein which belongs to the ADAM (a disintegrin and metalloprotease domain) family. CD156b functions as a tumour necrosis factor-alpha converting enzyme (TACE). CD156b also causes a number of inflammatory modulators to undergo ectodomain shedding, including TNFR75, IL-1RII, TNFR55, L-selectin, and the amyloid precursor protein among others. CD156b plays a prominent role in the activation of the Notch signalling pathway. It also plays a pivotal role in several acquired tumor cell capabilities by mediating the availability of soluble transforming growth factor-alpha, and establishing an autocrine signaling pathway through endogenous EGFR activation. CD156b is therefore a prospective therapeutic target in human cancer.
Specificity	ADAM17
Immunogen	Synthetic Peptide sequence corresponding to amino acids 807 – 823 of human CD156b
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Conjugate	Unconjugated
Applications	IHC-P
Format	Purified IgG - liquid
Size	50 µg
Preservative	0.02% Sodium Azide

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Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	ADAM17 ADAM metallopeptidase domain 17 [Homo sapiens (human)]
Official Symbol	ADAM17
Synonyms	ADAM17; ADAM metallopeptidase domain 17; CSVP; TACE; NISBD; ADAM18; CD156B; NISBD1; disintegrin and metalloproteinase domain-containing protein 17; TNF-alpha convertase; snake venom-like protease; TNF-alpha converting enzyme; ADAM metallopeptidase domain
Entrez Gene ID	6868
Protein Refseq	NP_003174
UniProt ID	Q9Z1K9
Chromosome Location	2p25
Pathway	Activated NOTCH1 Transmits Signal to the Nucleus; Alzheimers disease; Alzheimers Disease; BDNF signaling pathway; Collagen degradation; Constitutive Signaling by NOTCH1 HD Domain Mutants; Constitutive Signaling by NOTCH1 HD+PEST Domain Mutants; Constitutive Signaling by NOTCH1 PEST Domain Mutants;
Function	Notch binding; PDZ domain binding; SH3 domain binding; integrin binding; interleukin-6 receptor binding; metalloendopeptidase activity; metallopeptidase activity; protein binding; zinc ion binding;

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