



# Anti-ADAM9 polyclonal antibody (CPBT-26271RH)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Rabbit Polyclonal antibody to Human ADAM9.
<b>Antigen Description</b>	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 biological processes involving cell-cell and cell-matrix interactions, including fertilization, muscle development, and neurogenesis. The protein encoded by this gene interacts with SH3 domain-containing proteins, binds mitotic arrest deficient 2 beta protein, and is also involved in TPA-induced ectodomain shedding of membrane-anchored heparin-binding EGF-like growth factor. Several alternatively spliced transcript variants have been identified for this gene.
<b>Immunogen</b>	Synthetic peptide based on the amino end (propeptide) of human ADAM9. ( Immunogen available as <a href="#">DAG-P0062</a> )
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Immunogen affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, ICC/IF
<b>Cellular Localization</b>	Isoform 1: Cell membrane; single-pass type I membrane protein. Isoform 2: Secreted protein.
<b>Format</b>	Liquid
<b>Size</b>	100 µg

<b>Buffer</b>	Preservative: 0.05% Sodium Azide Constituents: 50% Glycerol
<b>Preservative</b>	0.05% Sodium Azide
<b>Storage</b>	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">ADAM9 ADAM metallopeptidase domain 9 [ Homo sapiens ]</a>
<b>Official Symbol</b>	ADAM9
<b>Synonyms</b>	ADAM9; ADAM metallopeptidase domain 9; a disintegrin and metalloproteinase domain 9 (meltrin gamma) ,cone rod dystrophy 9 , CORD9; disintegrin and metalloproteinase domain-containing protein 9; KIAA0021; MCMP; MDC9; meltrin gamma; Mltng; A disintegrin and metalloproteinase domain 9; ADAM 9; ADAM metallopeptidase domain 9; Cellular disintegrin related protein; Disintegrin and metalloproteinase domain 9; KIAA0021; MCMP; MDC9; Meltrin gamma; Metalloprotease disintegrin cysteine rich protein 9; Mltng; Myeloma cell metalloproteinase; OTTHUMP00000216481; OTTHUMP00000216484; OTTHUMP00000216485; OTTHUMP00000216486; cone rod dystrophy 9; myeloma cell metalloproteinase; cellular disintegrin-related protein; ADAM metallopeptidase domain 9 (meltrin gamma); metalloprotease/disintegrin/cysteine-rich protein 9; CORD9;
<b>Entrez Gene ID</b>	<a href="#">8754</a>
<b>Protein Refseq</b>	<a href="#">NP_003807</a>
<b>UniProt ID</b>	<a href="#">Q13443</a>
<b>Chromosome Location</b>	8p11.23
<b>Function</b>	SH3 domain binding; SH3 domain binding; collagen binding; integrin binding; integrin binding; integrin binding; laminin binding; metal ion binding; metalloendopeptidase activity; metalloendopeptidase activity; metallopeptidase activity; peptidase activity