



Anti-ADAM9 polyclonal antibody (DPABY-321)

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

PRODUCT INFORMATION

Antigen Description	Members of the ADAM or MDC (Metalloprotease, Disintegrin, Cysteine-rich) family contain pro, metalloprotease-like, disintegrin-like, cysteine-rich, transmembrane and cytoplasmic domains. They play a fundamental role in diverse processes such as asthma, development, angiogenesis and cancer through their activities in cell adhesion/fusion, membrane protein shedding, and signal transduction. Over 30 members have been identified and about half of them are active metalloproteases such as ADAM8, 9, 10, 12 and 17/TACE.
Specificity	Detects human ADAM9 Ectodomain in ELISAs and Western blots. In sandwich immunoassays, approximately 20% cross-reactivity with recombinant mouse (rm)rmADAM9 is observed and less than 0.05% cross-reactivity with recombinant human (rh)rhADAM8, rhADAM10, rhTACE, rhTIMP-1, rhTIMP-2, rhTIMP-3, rhTIMP-4, rhBACE-1 and rmADAM10 is observed.
Immunogen	Mouse myeloma cell line NS0-derived recombinant human ADAM9. Ala206-Asp697 Accession Number Q13443
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen Affinity-purified
Conjugate	Unconjugated
Applications	Western Blot, Immunoprecipitation, ELISA Capture (Matched Pair)
Format	Liquid
Size	100 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.

Preservative	None
Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <p>12 months from date of receipt, -20 to -70 °C as supplied.</p> <p>1 month from date of receipt, 2 to 8 °C, reconstituted.</p> <p>6 months from date of receipt, -20 to -70 °C, reconstituted.</p>

GENE INFORMATION

Gene Name	ADAM9 ADAM metallopeptidase domain 9 [Homo sapiens (human)]
Official Symbol	ADAM9
Synonyms	ADAM9; ADAM metallopeptidase domain 9; MCMP; MDC9; CORD9; Mltng; disintegrin and metalloproteinase domain-containing protein 9; cone rod dystrophy 9; myeloma cell metalloproteinase; cellular disintegrin-related protein; ADAM metallopeptidase domain 9 (mel
Entrez Gene ID	8754
Protein Refseq	NP_003807
UniProt ID	Q13443
Chromosome Location	8p11.22
Pathway	Collagen degradation; Degradation of the extracellular matrix; Extracellular matrix organization;
Function	SH3 domain binding; collagen binding; integrin binding; laminin binding; metalloendopeptidase activity; metallopeptidase activity; protein binding; protein kinase C binding; zinc ion binding;