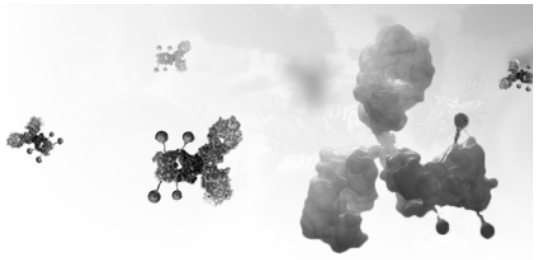

# Anti-ADAM9 polyclonal antibody [Biotin] (DPABY-545)

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

## PRODUCT INFORMATION

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|---|---|
| **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 humanADAM9 Ectodomain in ELISAs andWestern blots. In sandwich immunoassays, less than 20% cross-reactivity with recombinant mouse (rm)ADAM9 is observedand less than 0.05% cross-reactivitywith recombinant human (rh)ADAM8, 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 Ectodomain. Ala206-Asp697 Accession Number Q13443 |
| **Isotype** | IgG |
| **Source/Host** | Goat |
| **Species Reactivity** | Human |
| **Purification** | Antigen Affinity-purified |
| **Conjugate** | Biotin |
| **Applications** | Western Blot, ELISA Detection (Matched Pair) |
| **Format** | Liquid |
| **Size** | 50 µg |

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|---|---|
| **Buffer** | Lyophilized from a 0.2 μm filtered solution in PBS with BSA as a carrier protein. |
| **Preservative** | None |
| **Storage** | Use a manual defrost freezer and avoid repeated freeze-thaw cycles.<br>12 months from date of receipt, -20 to -70 °C as supplied.<br>1 month, 2 to 8 °C under sterile conditions after reconstitution.<br>6 months, -20 to -70 °C under sterile conditions after reconstitution. |

# GENE INFORMATION

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|---|---|
| **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; |

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