# ADAM21 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | ADAM21, Polyclonal Antibody |
| **Full Product Name** | ADAM21 (Disintegrin and Metalloproteinase Domain-Containing Protein 21, ADAM 21, 3424-, ADAM21) (FITC) |
| **Product Gene Name** | anti-ADAM21 antibody |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Mouse |
| **Form/Format** | Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein Isothiocyanate (FITC). |
| **Purity/Purification** | Purified by Protein A Affinity Chromatography. |
| **Specificity** | Recognizes mouse ADAM21. Species Crossreactivity: mouse |
| **Preparation and Storage** | Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. |
| **Molecular Weight** | 80,834 Da |
| **OMIM** | 603713 |
| **3D Structure** | ModBase 3D Structure for Q9UKJ8 |
| **Immunogen** | KLH conjugated synthetic peptide corresponding to aa645-679 at the C-terminal region of human ADAM21. |
| **Conjugate** | FITC |
| **Note** | Preservative Free |
| **Product Categories/Family for anti-ADAM21 antibody** | Antibodies; Matrix Metalloproteinases |
| **Applications Tested/Suitable for anti-ADAM21 antibody** | Western Blot (WB) |
| **Application Notes for anti-ADAM21 antibody** | WB: 1:2000<br>Applications are based on unconjugated antibody. |
| **Related Product Information for anti-ADAM21 antibody** | MBS6453976 is an antibody targeting ADAM21. Also known as ADAM21 (Disintegrin and Metalloproteinase Domain-Containing Protein 21, ADAM 21, 3424-, ADAM21) (FITC). Reactive in Mouse. Host: Rabbit. |
| **Product References and Citations for anti-ADAM21 antibody** | Poindexter K., et al. Gene 237:61-70(1999). Heilig R., et al. Nature 421:601-607(2003). Hooft van Huijsduijnen R., et al. Gene 206:273-282(1998). |
| **Other Notes** | Small volumes of anti-ADAM21 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ADAM21. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 333033779 |

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| **NCBI GeneID** | 8747 |
| **NCBI Accession #** | NP_003804.2 |
| **UniProt Primary Accession #** | Q9UKJ8 |
| **UniProt Secondary Accession #** | O43507; Q2VPC6; Q32MR0 |
| **UniProt Related Accession #** | Q9UKJ8 |
| **GenBank Nucleotide #** | NM_003813.3 |
| **NCBI Official Full Name** | disintegrin and metalloproteinase domain-containing protein 21 preproprotein |
| **NCBI Official Synonym Full Names** | ADAM metallopeptidase domain 21 |
| **NCBI Official Symbol** | ADAM21 |
| **NCBI Official Synonym Symbols** | ADAM31; ADAM 21 |
| **UniProt Protein Name** | Disintegrin and metalloproteinase domain-containing protein 21 |
| **Protein Family** | Disintegrin and metalloproteinase domain-containing protein |
| **UniProt Gene Name** | ADAM21 |
| **UniProt Synonym Gene Names** | ADAM 21 |
| **UniProt Entry Name** | ADA21_HUMAN |
| **NCBI Protein Information** | disintegrin and metalloproteinase domain-containing protein 21; a disintegrin and metalloproteinase domain 21; ADAM metallopeptidase domain 21, preproprotein |
| **NCBI Summary for ADAM21** | 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 expression of this gene expression is testis-specific. [provided by RefSeq, May 2011] |
| **UniProt Comments for ADAM21** | ADAM21: May be involved in sperm maturation and/or fertilization. May also be involved in epithelia functions associated with establishing and maintaining gradients of ions or nutrients.<br><br>Protein type: EC 3.4.24.-; Membrane protein, integral; Motility/polarity/chemotaxis; Protease<br><br>Chromosomal Location of Human Ortholog: 14q24.1<br><br>Cellular Component: cell soma; axon; integral to membrane; plasma membrane<br><br>Molecular Function: metallopeptidase activity; zinc ion binding; metalloendopeptidase activity<br><br>Biological Process: binding of sperm to zona pellucida; single fertilization; proteolysis; multicellular organism reproduction |
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