Human ADAM32 Alexa Fluor® 750-conjugated Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF5380S
100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human ADAM32 in direct ELISAs and Western blots. In direct ELISAs, less than 1% cross-reactivity with recombinant human (rh) ADAM9, rhADAM22, and rhADAM23 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human ADAM32 Ser17-Thr476 Accession # Q8TC27
Conjugate	Alexa Fluor 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunoprecipitation	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

ADAM32 (a disintegrin and metalloprotease domain 32) is a 90-100 kDa member of the M12B peptidase family of proteins. It is expressed on sperm found in the testis, epididymis and vas deferens. The human ADAM32 proprecursor is a 771 amino acid (aa) type I transmembrane protein. It contains a 158 aa proregion (aa 17-174) and a 508 aa extracellular domain (ECD) (aa 175-682). The ECD contains a nonfunctional metalloprotease domain (aa 186-383), an integrin-binding disintegrin region (aa 391-479), a Cys-rich segment (aa 480 - 502) and an EGF-like domain (aa 622-654). In the testis, mature ADAM32 is approximately 98 kDa in size; in the epididymis, cleavage occurs after the metalloprotease domain to generate a 44 kDa product. There are two potential splice events that show a deletion of aa 306-401 plus a 53 aa substitution for the N-terminal 46 amino acids. Over aa 17-476, human ADAM32 is 66% aa identical to mouse ADAM32.

PRODUCT SPECIFIC NOTICES

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