Human ADAM32 Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF5380

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
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 μm filtered solution in PBS.

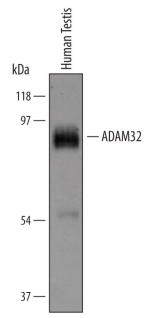
APPLICATIONS

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.*

	Recommended Concentration	Sample
Western Blot	1 µg/mL	See Below
Immunoprecipitation	25 µg/mL	Conditioned cell culture medium spiked with Recombinant Human ADAM32, see our available Western blot detection antibodies

DATA

Western Blot



Detection of Human ADAM32 by Western Blot.
Western blot shows lysates of human testis tissue. PVDF membrane was probed with 1 µg/mL of Sheep Anti-Human ADAM32 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF5380) followed by HRP-conjugated Anti-Sheep IgG Secondary Antibody (Catalog # HAF016). A specific band was detected for ADAM32 at approximately 90 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 8.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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 preprecursor 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.

bio-techne
bio-techne.com
Global info@bio-techne.com techsupport@bio-techne.com
North America TEL 800 343 7475 Europe | Middle East | Africa TEL +44 (0)1235 529449
China info.cn@bio-techne.com TEL +86 (21) 52380373
Rest of World bio-techne.com/find-us/distributors TEL +1 612 379 2956