

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 either lyophilized or as a 0.2 µm filtered solution in PBS.

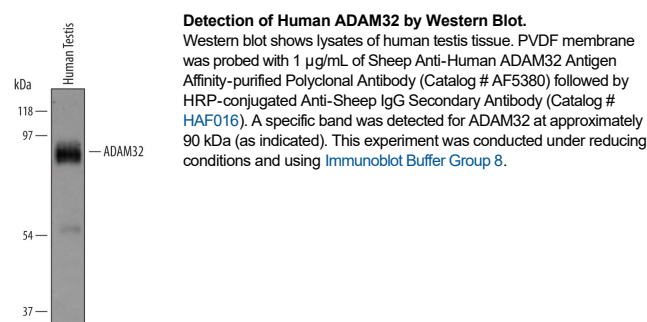
APPLICATIONS

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



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. <ul style="list-style-type: none"> 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 precursor 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.