



## Rabbit Anti-ADAM32 antibody

SL5855R

<b>Product Name:</b>	ADAM32
<b>Chinese Name:</b>	去整合素样金属蛋白酶32抗体
<b>Alias:</b>	A disintegrin and metalloproteinase domain 32; ADA32_HUMAN; ADAM 32; Adam32; Disintegrin and metalloproteinase domain-containing protein 32.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Cow,Horse,Guinea Pig,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	88kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human ADAM32:181-280/787<Extracellular>
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	ADAM32 was first discovered in a search for testis-specific proteinases. ADAM32 was identified in human, rat, mouse, macaque and chimp, and thus far has been found only in testis. In mice, ADAM32 is found on the sperm surface, where it may play a role in fertilization. ADAM32 is a member of the ADAMs family (A Disintegrin And Metalloproteinase), but does not contain the canonical HExxHxxxxH zinc-binding

metalloproteinase catalytic site. The domain structure of the full length ADAM32 includes a signal sequence, propeptide domain, metalloproteinase-like domain, disintegrin-like domain, cys-rich domain, EGF-like domain, a short spacer region, then the transmembrane domain and a cytoplasmic domain. Like many of the reproductive-specific ADAMs, ADAM32 plays a non-enzymatic role, or (as is the case for ADAMs 1 & 2 (fertilin alpha and beta)), the protein acts in concert with a proteolytically active ADAM to process proteins. Little is known about interactions between ADAM32 and other ADAMs. Several different sequences for human ADAM32 are published; 787, 688, 649, 629, and 279 amino acids in length. The 688 amino acid form is identical to the 787 AA form until the EGF-like domain, and lacks the TM and cytoplasmic domains. The 649 AA form is likewise identical to the longer form, just to the start of the TM domain, and also lacks the TM and cytoplasmic domains. The 629 AA form has a deletion of 107 residues midway into the MP-like domain, and lacks the amino end of the disintegrin domain, but contains the rest of the domains found in the full-length ADAM32. The predicted masses for the different versions are 87.8, 76.9, 72.9, 70.9 and 32.1, respectively, for the 786, 688, 649, 629 and 279 AA forms.

**Function:**

May play a role in sperm development and fertilization This is a non-catalytic metalloprotease-like protein (By similarity)

**Subcellular Location:**

Membrane; Single-pass type I membrane protein (Potential).

**Tissue Specificity:**

Testis specific.

**Similarity:**

Contains 1 disintegrin domain.

Contains 1 EGF-like domain.

Contains 1 peptidase M12B domain.

**SWISS:**

Q8TC27

**Gene ID:**

203102

**Database links:**

[Entrez Gene: 203102](#)Human

[SwissProt: Q8TC27](#)Human

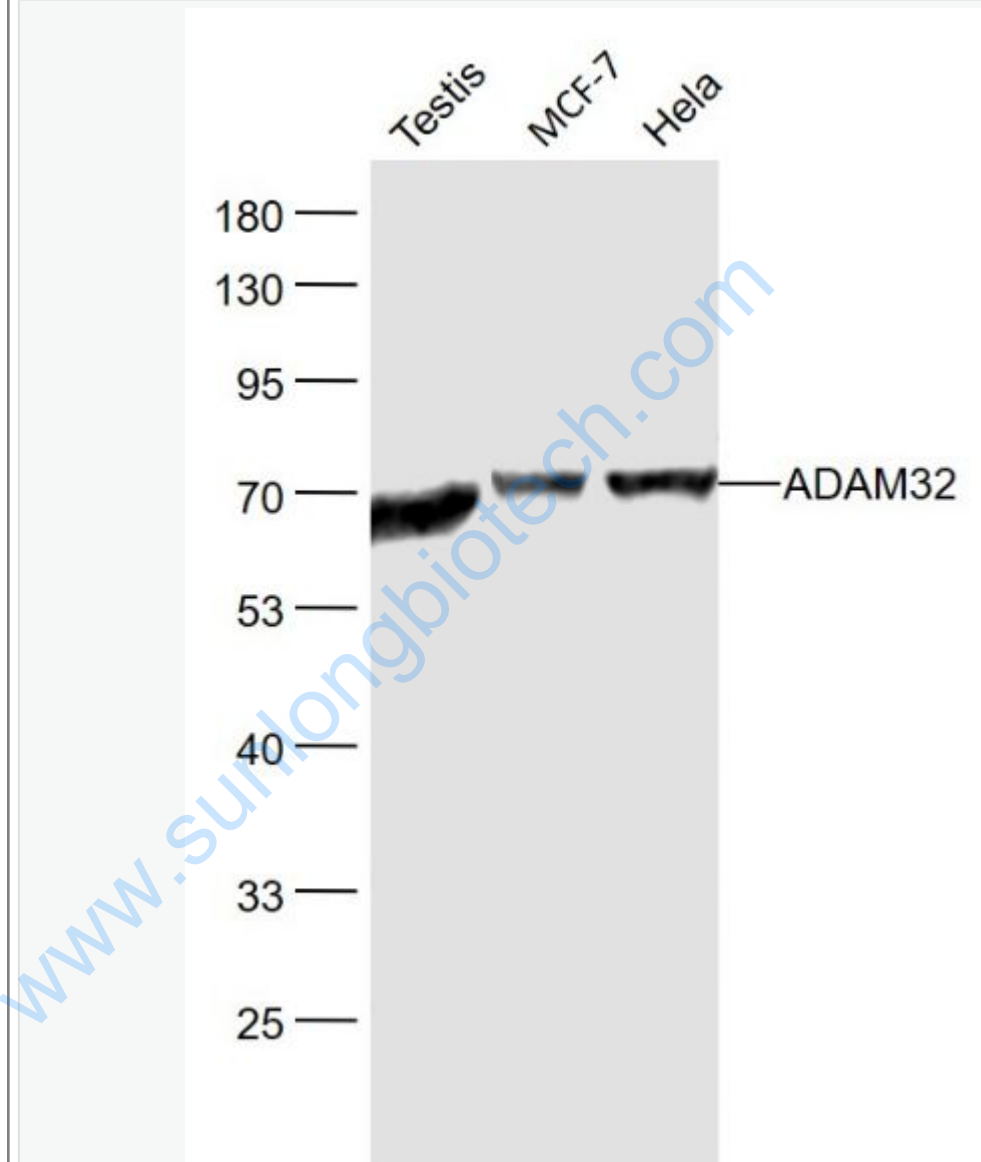
[Unigene: 521545](#)Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Extracellular matrix 蛋白

Picture:



Sample:

Testis (Mouse) Lysate at 40 ug

MCF-7(Human) Cell Lysate at 30 ug

HeLa(Human) Cell Lysate at 30 ug

Primary: Anti- ADAM32 (SL5855R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 68 kD

Observed band size: 68 kD

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