

Rabbit TNP1 Polyclonal Antibody | anti-TNP1 antibody

TNP1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323159	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

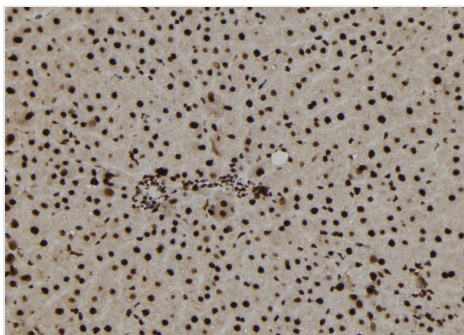
PRODUCT SYNONYMS

TNP1; Polyclonal Antibody; TNP1 Antibody; Spermatid nuclear transition protein 1; Spermatid nuclear transition protein1; STP 1; STP-1; STP1; STP1_HUMAN; TNP 1; TP 1; TP-1; TP1; Transition protein 1 (during histone to protamine replacement); Transition protein1; anti-TNP1 antibody

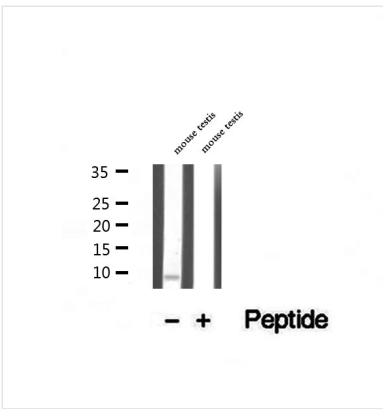
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	TNP1 antibody detects endogenous levels of TNP1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	55
Applicable Applications for anti-TNP1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human TNP1.
Subcellular Location	Nucleus. Chromosome.
Tissue Specificity	Expressed by spermatids (at protein level).
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (100%), Bovine (92%), Horse (100%), Sheep (92%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA323159 at 1/100 staining Rat liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts of mouse testis tissue, using TNP1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-TNP1 antibody	Function: Plays a key role in the replacement of histones to protamine in the elongating spermatids of mammals. In condensing spermatids, loaded onto the nucleosomes, where it promotes the recruitment and processing of protamines, which are responsible for histone eviction. Similarity: Belongs to the nuclear transition protein 1 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4507629
NCBI GeneID	7141
NCBI Accession #	NP_003275.1
NCBI GenBank Nucleotide #	NM_003284.3
UniProt Accession #	P09430
Molecular Weight	Observed: 6-10 kDa Predicted: 7 kDa
NCBI Official Full Name	spermatid nuclear transition protein 1
NCBI Official Synonym Full Names	transition protein 1
NCBI Official Symbol	TNP1
NCBI Official Synonym Symbols	TP1
NCBI Protein Information	spermatid nuclear transition protein 1
UniProt Protein Name	Spermatid nuclear transition protein 1
UniProt Gene Name	TNP1
UniProt Synonym Gene Names	STP-1; TP-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.