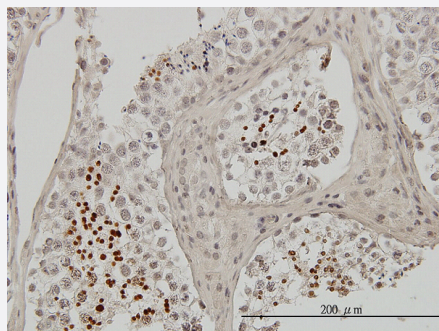


TNP1 monoclonal antibody (M01), clone 1B5

Catalog # H00007141-M01

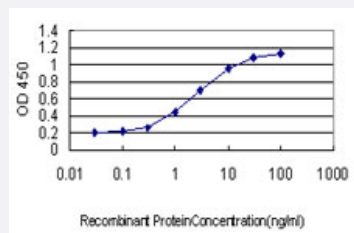
Size 100 ug

Applications



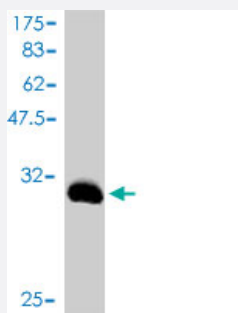
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to TNP1 on formalin-fixed paraffin-embedded human testis. [antibody concentration 3 ug/ml]



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged TNP1 is approximately 0.03ng/ml as a capture antibody.



Western Blot detection against Immunogen (31.79 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant TNP1.

Immunogen	TNP1 (AAH29516.1, 1 a.a. ~ 55 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MSTSRKLKSHGMRRSKSRSPHKGVKRGGSKRKYRKGNLKSRRKGDDANRNYRSHL
Host	Mouse
Reactivity	Human
Isotype	IgG2b kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (31.79 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to TNP1 on formalin-fixed paraffin-embedded human testis. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged TNP1 is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — TNP1

Entrez GeneID	7141
GeneBank Accession#	BC029516
Protein Accession#	AAH29516.1

Gene Name	TNP1
Gene Alias	TP1
Gene Description	transition protein 1 (during histone to protamine replacement)
Omim ID	190231
Gene Ontology	Hyperlink
Gene Summary	Transition protein-1 is a spermatid-specific product of the haploid genome which replaces histone and is itself replaced in the mature sperm by the protamines (see PRM1, MIM 182880; PRM2, MIM 182890) (Luerssen et al., 1990 [PubMed 2249851]).[supplied by OMIM]
Other Designations	-

Disease

- [Azoospermia](#)
- [Genetic Predisposition to Disease](#)
- [Infertility](#)
- [Oligospermia](#)