

Datasheet for ABIN2782691

**anti-Tetraspanin 3 antibody (Middle Region)**[Go to Product page](#)**2** Images

## Overview

Quantity:	100 µL
Target:	Tetraspanin 3 (TSPAN3)
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Tetraspanin 3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human TSPAN3
Sequence:	SRAIDYVQRQ LHCCGIHNYS DWENTDWFKE TKNQSVPLSC CRETASNCNG
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against TSPAN3. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

## Target Details

Target:	Tetraspanin 3 (TSPAN3)
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## Target Details

Alternative Name:	TSPAN3 ( <a href="#">TSPAN3 Products</a> )
Background:	<p>TSPAN3 is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. The use of alternate polyadenylation sites has been found for this gene. Two alternative transcripts encoding different isoforms have been described.</p> <p>Alias Symbols: TM4-A, TM4SF8, TSPAN-3</p> <p>Protein Interaction Partner: UBC, CLDN11, EWSR1,</p> <p>Protein Size: 228</p>
Molecular Weight:	25 kDa
Gene ID:	10099
NCBI Accession:	<a href="#">NM_198902</a> , <a href="#">NP_944492</a>
UniProt:	<a href="#">O60637</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 228 AA
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

## Handling

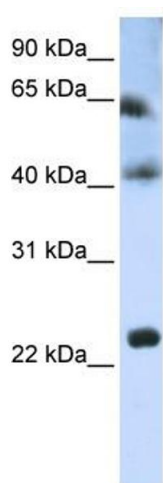
should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

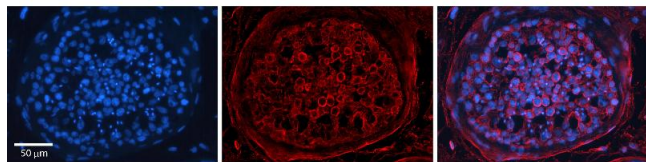
Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Images



### Western Blotting

**Image 1.** WB Suggested Anti-TSPAN3 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: HeLa cell lysate



### Immunohistochemistry

**Image 2.** Rabbit Anti-TSPAN3 Antibody Formalin Fixed Paraffin Embedded Tissue: Human Testis Tissue Observed Staining: Plasma membrane in spermatogonia and spermatocytes Primary Antibody Concentration: N/A Other Working Concentrations: 1:600 Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec