



[Go to Product page](#)

Datasheet for ABIN2785945

anti-SPO11 antibody (N-Term)

2 Images

Overview

Quantity:	100 µL
Target:	SPO11
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Zebrafish (Danio rerio), Cow, Dog, Guinea Pig, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SPO11 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human SPO11
Sequence:	KFSLILKILS MIYKLVQSNT YATKRDIYYT DSQLFGNQTV VDNIINDISC
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 93%, Human: 100%, Mouse: 93%, Rabbit: 93%, Rat: 100%, Zebrafish: 77%
Characteristics:	This is a rabbit polyclonal antibody against SPO11. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	SPO11
---------	-------

Target Details

Alternative Name: [SP011 \(SP011 Products\)](#)

Background: Meiotic recombination and chromosome segregation require the formation of double-strand breaks (DSBs) in paired chromosome homologs. During meiosis in yeast, a meiotic recombination protein is covalently-linked to the 5' end of DSBs and is essential for the formation of DSBs. SP011 is similar in sequence and conserved features to the yeast meiotic recombination protein. It belongs to the TOP6A protein family. Meiotic recombination and chromosome segregation require the formation of double-strand breaks (DSBs) in paired chromosome homologs. During meiosis in yeast, a meiotic recombination protein is covalently-linked to the 5' end of DSBs and is essential for the formation of DSBs. The protein encoded by this gene is similar in sequence and conserved features to the yeast meiotic recombination protein. The encoded protein belongs to the TOP6A protein family. Several transcript variants encoding different isoforms have been found for this gene, but the full-length nature of only two of them have been described.

Alias Symbols: MGC39953, CT35

Protein Size: 396

Molecular Weight: 44 kDa

Gene ID: 23626

NCBI Accession: [NM_012444](#), [NP_036576](#)

UniProt: [Q9Y5K1](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 396 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

Handling

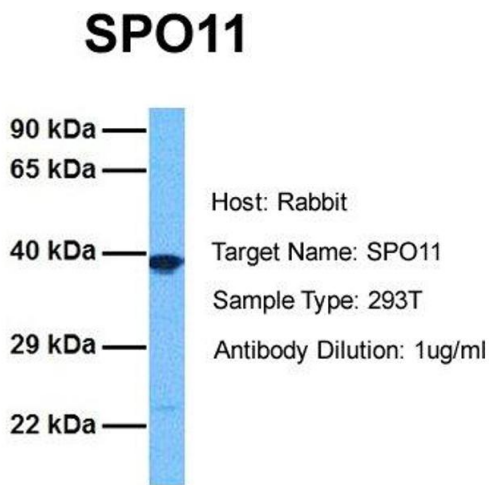
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

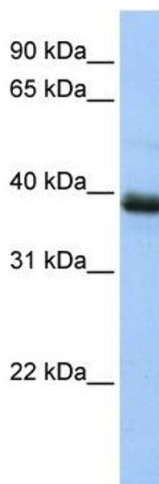
Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. Host: Rabbit Target Name: SPO11 Sample Tissue:
Human 293T Antibody Dilution: 1.0ug/ml



Western Blotting

Image 2. WB Suggested Anti-SPO11 Antibody Titration: 0.2-
1 ug/ml ELISA Titer: 1:1562500 Positive Control: HepG2 cell
lysate