

Product datasheet for **TA334460**

SPO11 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-SPO11 antibody: synthetic peptide directed towards the N terminal of human SPO11. Synthetic peptide located within the following region: KFSLILKILSMIYKLVQSNTYATKRDIIYTDSQLFGNQTVVDNIINDISC
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	44 kDa
Gene Name:	SPO11, initiator of meiotic double stranded breaks
Database Link:	NP_036576 Entrez Gene 23626 Human Q9Y5K1



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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. SPO11 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.

Synonyms:

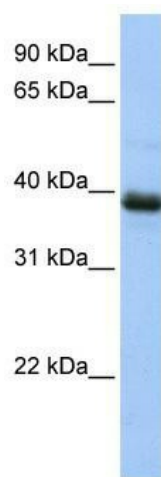
CT35; SPATA43; TOPVIA

Note:

Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Human: 100%; Bovine: 100%; Guinea pig: 100%; Horse: 93%; Mouse: 93%; Rabbit: 93%; Zebrafish: 77%

Protein Families:

Druggable Genome, Transcription Factors

Product images:

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