

Rabbit SPO11 Polyclonal Antibody | anti-SPO11 antibody

SPO11 antibody - N-terminal region

CATALOG # AAA200441	HOST Rabbit	REACTIVITY Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish	APPLICATIONS Western Blot
-------------------------------	-----------------------	--	-------------------------------------

PRODUCT SYNONYMS

SPO11; Polyclonal Antibody; SPO11 antibody - N-terminal region; anti-SPO11 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide located within the following region: KFSLLKILSMIYKLVQSNTYATKRDIYYTDSQLFGNQTVVDNIINDISC
Sequence Length	396
Applicable Applications for anti-SPO11 antibody	WB (Western Blot)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 93%; Human: 100%; Mouse: 93%; Rabbit: 93%; Rat: 100%; Zebrafish: 77%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human SPO11
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

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



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-SPO11 antibody	This is a rabbit polyclonal antibody against SPO11. It was validated on Western Blot using a cell lysate as a positive control. Target Description: 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.
Product Categories/Family for anti-SPO11 antibody	Polyclonal; Cell Cycle Proteins; Drugs and Drug Metabolism; Meiosis/Mitosis/Cell Cycle

NCBI AND UNIPROT INFORMATION

NCBI GI #	6912680
NCBI GeneID	23626
NCBI Accession #	NP_036576
NCBI GenBank Nucleotide #	NM_012444
UniProt Accession #	Q9Y5K1
Molecular Weight	44kDa
NCBI Official Full Name	meiotic recombination protein SPO11 isoform a
NCBI Official Synonym Full Names	SPO11 initiator of meiotic double stranded breaks
NCBI Official Symbol	SPO11
NCBI Official Synonym Symbols	CT35; TOPVIA; SPATA43
NCBI Protein Information	meiotic recombination protein SPO11
UniProt Protein Name	Meiotic recombination protein SPO11
UniProt Gene Name	SPO11
UniProt Synonym Gene Names	CT35
UniProt Entry Name	SPO11_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/spo11-antibody-western-blot-elisa/200441>