

## Product datasheet for TA321020

### SPO11 Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1-3µg/ml
Reactivity:	Human (Expected from sequence similarity: Mouse)
Host:	Goat
Clonality:	Polyclonal
Immunogen:	internal region of NP_036576.1; NP_937998.1 (NTYATKRDIYYTDSQ)
Formulation:	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Concentration:	lot specific
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	SPO11, initiator of meiotic double stranded breaks
Database Link:	<a href="#">NP_036576</a> <a href="#">Entrez Gene 26972 Mouse</a> <a href="#">Entrez Gene 23626 Human</a> <a href="#">Q9Y5K1</a>
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. 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. [provided by RefSeq, Jul 2008]
Synonyms:	CT35; SPATA43; TOPVIA

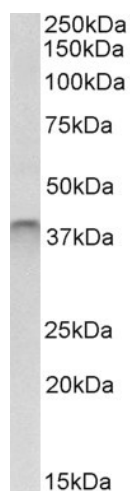


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**Note:** This antibody is expected to recognize both reported isoforms (NP\_036576.1; NP\_937998.1)

**Protein Families:** Druggable Genome, Transcription Factors

**Product images:**



SPO11 antibody (1ug/ml) staining of Human Testis lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.