

Goat anti-SPO11 Antibody

Item Number	dAP-2967
Target Molecule	Principle Name: SPO11; Official Symbol: SPO11; All Names and Symbols: SPO11; SPO11 meiotic protein covalently bound to DSB homolog (S. cerevisiae); MGC39953; SPO11 meiotic protein covalently bound to DSB-like; SPO11, meiotic protein covalently bound to DSB (S. cerevisiae)-like; meiotic recombination protein SPO11; Accession Number (s): NP_036576.1; NP_937998.1; Human Gene ID(s): 23626; Non-Human GenelD(s):
Immunogen	NTYATKRDYYTDSQ, is from internal region This antibody is expected to recognize both reported isoforms (NP_036576.1; NP_937998.1)
Applications	Pep ELISA, WB Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 16000.
Western Blot	Western Blot: Approx 38kDa band observed in Human Testis lysates (calculated MW of 40.4kDa according to NP_937998.1). Recommended concentration: 1-3µg/ml.
IHC	
Reference	Reference(s): Buhler C, Borde V, Lichten M Mapping meiotic single-strand DNA reveals a new landscape of DNA double-strand breaks in <i>Saccharomyces cerevisiae</i> PLoS Biol. 2007 Dec;5(12):e324. PMID: 18076285->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**