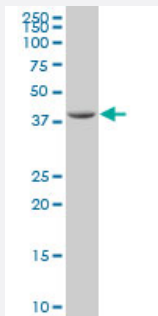


SPO11 polyclonal antibody (A01)

Catalog # H00023626-A01

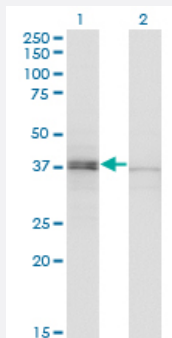
Size 50 uL

Applications



Western Blot (Cell lysate)

SPO11 polyclonal antibody (A01), Lot # 061025JCS1 Western Blot analysis of SPO11 expression in SJCRH30 (Cat # L027V1).

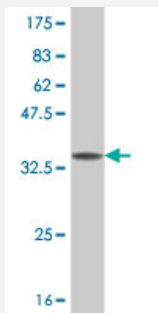


Western Blot (Transfected lysate)

Western Blot analysis of SPO11 expression in transfected 293T cell line by SPO11 polyclonal antibody (A01).

Lane1:SPO11 transfected lysate (Predicted MW: 40.4 KDa).

Lane2:Non-transfected lysate.



Western Blot detection against Immunogen (37.66 KDa) .

Specification

Product Description

Mouse polyclonal antibody raised against a partial recombinant SPO11.

Immunogen

SPO11 (NP_036576, 291 a.a. ~ 395 a.a) partial recombinant protein with GST tag.

Sequence	YGSMMSFEAHHLTVPAIRWLGLLPSDLKRLNVPKDSLPLTKRDQMKLDSILRRPYVTCQPFWR KEMEIMADSKMKAEIQALTFLSSDYLSRVLPNKLKFGGW
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (73); Rat (80)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.66 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

SPO11 polyclonal antibody (A01), Lot # 061025JCS1 Western Blot analysis of SPO11 expression in SJCRH30 (Cat # L027V1).

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- Western Blot (Transfected lysate)

Western Blot analysis of SPO11 expression in transfected 293T cell line by SPO11 polyclonal antibody (A01).

Lane1:SPO11 transfected lysate (Predicted MW: 40.4 KDa).

Lane2:Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — SPO11

Entrez GeneID [23626](#)

GeneBank Accession# [NM_012444](#)

Protein Accession#	NP_036576
Gene Name	SPO11
Gene Alias	MGC39953
Gene Description	SPO11 meiotic protein covalently bound to DSB homolog (S. cerevisiae)
Omim ID	605114
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	OTTHUMP00000031360 OTTHUMP00000031361 SPO11 meiotic protein covalently bound to DSB-like SPO11, meiotic protein covalently bound to DSB-like meiotic recombination protein SPO11

Disease

- [Azoospermia](#)
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