

Rabbit anti-Human MMS21 Polyclonal Antibody | anti-MMS21 antibody

Rabbit anti-MMS21 Antibody, Affinity Purified

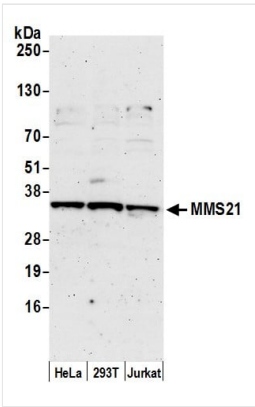
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212509	Rabbit	Human	Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

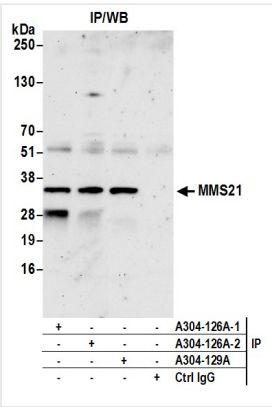
MMS21; Polyclonal Antibody; Rabbit anti-MMS21 Antibody; Affinity Purified; non-SMC element 2; MMS21 homolog; ZMIZ7; zinc finger; MIZ-type containing 7; PVT1/NSMCE2 fusion; NSMCE2/PVT1 fusion; NSE2; non-structural maintenance of chromosomes element 2 homolog; C8orf36; methyl methanesulfonate sensitivity gene 21; hMMS21; E3 SUMO-protein transferase NSE2; E3 SUMO-protein ligase NSE2; Non-SMC element 2 homolog; NSE2 (MMS21) homolog; SMC5-SMC6 complex SUMO ligase; anti-MMS21 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-MMS21 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 1 and 50
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt



WB (Western Blot)
Detection of human MMS21 by western blot. Samples: Whole cell lysate (50 ug) from HeLa, HEK293T, and Jurkat cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-MMS21 antibody AAA212509 (lot AAA212509-2) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



IP (Immunoprecipitation)
Detection of human MMS21 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-MMS21 antibody AAA212509 (lot AAA212509-2) used for IP at 6 ug per reaction. MMS21 was also immunoprecipitated by a previous lot of this antibody (lot AAA212509-1) and rabbit anti-MMS21 antibody. For blotting immunoprecipitated MMS21, AAA212509 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 75 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-MMS21 antibody	The human MMS21 (Methyl Methanesulfonate-Sensitivity protein 21) homolog is also known as E3 SUMO-protein ligase NSE2. MMS21 is an E3 SUMO-protein ligase component of the SMC5-SMC6 complex, a complex involved in DNA double-strand break repair by homologous recombination. The complex may promote sister chromatid homologous recombination by recruiting the SMC1-SMC3 cohesin complex to double-strand breaks [taken from the Universal Protein Resource (UniProt) www.uniprot.org/uniprot/Q96MF7].
Product Categories/Family for anti-MMS21 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	27734761
NCBI GeneID	286053
NCBI Accession #	NP_775956.1
NCBI GenBank Nucleotide #	NM_173685.3
UniProt Accession #	Q96MF7; Q8N549
Molecular Weight	27,932 Da
NCBI Official Full Name	E3 SUMO-protein ligase NSE2 isoform 1
NCBI Official Synonym Full Names	NSE2 (MMS21) homolog, SMC5-SMC6 complex SUMO ligase
NCBI Official Symbol	NSMCE2
NCBI Official Synonym Symbols	NSE2; MMS21; ZMIZ7; C8orf36
NCBI Protein Information	E3 SUMO-protein ligase NSE2
UniProt Protein Name	E3 SUMO-protein ligase NSE2
UniProt Gene Name	NSMCE2
UniProt Synonym Gene Names	C8orf36; MMS21; hMMS21; Non-SMC element 2 homolog
UniProt Entry Name	NSE2_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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/mms21-antibody-immunoprecipitation-western-blot-elisa/212509>