

PMS2 recombinant antibody

Rabbit anti-PMS2 Recombinant Monoclonal Antibody [BLR142H]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA213603	Rabbit	Human	Flow Cytometry, Functional Assay, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

PMS2; Monoclonal Recombinant Antibody; Rabbit anti-PMS2 Recombinant Monoclonal Antibody [BLR142H]; mismatch repair endonuclease PMS2; PMSL2; PMS2CL; PMS2 postmeiotic segregation increased 2; PMS1 protein homolog 2; MLH4; postmeiotic segregation increased 2 nirs variant 6; HNPCC4; DNA mismatch repair protein PMS2; PMS1 homolog 2; mismatch repair protein; Mismatch repair endonuclease PMS2; mismatch repair system component; PMS2 recombinant antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Clone Number	BLR142H
Purity/Purification	Purified
Form/Format	Liquid. Whole IgG. Borate Buffered Saline (BBS) pH 8.2 with 0.1% BSA and 0.09% Sodium Azide
Concentration	10ug/ml (varies by lot)
Applicable Applications for PMS2 recombinant antibody	FCM/FACS (Flow Cytometry), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 550 and 600
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human PMS2 by western blot. Samples: Whole cell lysate (25 ug) from U2OS, Hep-G2, K-562, LNCaP, GaMG, HeLa, Jurkat, and A-549 cells prepared using NETN lysis buffer. Antibody: Rabbit anti-PMS2 recombinant monoclonal antibody (AAA213603 lot 1) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 30 seconds. Lower Panel: Rabbit anti-COPB2 antibody .



IP (Immunoprecipitation)

Detection of human PMS2 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from U2OS cells prepared using NETN lysis buffer. Antibodies: Rabbit anti-PMS2 recombinant monoclonal antibody (AAA213603 lot 1) used for IP at 20 ul/mg lysate. PMS2 was also immunoprecipitated by PMS2 antibodies, BL-1595-2G7 and A300-085A. For blotting immunoprecipitated PMS2, AAA213603 was used at 1:1000. Detection: Chemiluminescence with an exposure time of 30 seconds.



FCM/FACS (Flow Cytometry)

Detection of human PMS2 (shaded) in Jurkat cells by flow cytometry. Antibody: Rabbit anti-PMS2 recombinant monoclonal antibody (AAA213603) or isotype control (unshaded).
Secondary: DyLight 650-conjugated goat anti-rabbit IgG .

ADDITIONAL INFORMATION

Related Product Information for PMS2 recombinant antibody	PMS2 is an integral component of the DNA mismatch repair (MMR) system that functions to recognize aberrant structures and signals for the repair of single base mismatches or loops in replicated DNA. PMS2 can heterodimerize with DNA mismatch repair protein MLH1 to form the MutL-alpha heterodimer. [taken from NCBI Entrez Gene (Gene ID: 5395)].
Product Categories/Family for PMS2 recombinant antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	1015181836
NCBI GeneID	5395
NCBI Accession #	NP_000526.2
NCBI GenBank Nucleotide #	NM_000535.6
UniProt Accession #	P54278; Q52LH6; Q5FBW9; Q5FBX1; Q5FBX2; Q75MR2; B2R610
Molecular Weight	95797 MW
NCBI Official Full Name	mismatch repair endonuclease PMS2 isoform a
NCBI Official Synonym Full Names	PMS1 homolog 2, mismatch repair system component
NCBI Official Symbol	PMS2
NCBI Official Synonym Symbols	MLH4; PMSL2; HNPCC4; PMS2CL
NCBI Protein Information	mismatch repair endonuclease PMS2
UniProt Protein Name	Mismatch repair endonuclease PMS2
UniProt Gene Name	PMS2
UniProt Synonym Gene Names	PMSL2
UniProt Entry Name	PMS2_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://stage.aaabiotech.com/monoclonal/pms2-recombinant-antibody-clone-blr142h-flow-cytometry-immunoprecipitation-western-blot-elisa/213603>