Mouse SPR Monoclonal Antibody | anti-SPR antibody

SPR antibody

CATALOG #	HOST	APPLICATIONS
AAA107090	**Mouse**	**Western Blot, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

SPR; Monoclonal Antibody; SPR antibody; Monoclonal SPR; Anti-SPR; Sepiapterin reductase; SDR38C1; Short chain dehydrogenase/reductase family 38C member 1; anti-SPR antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	4F5
Purity/Purification	SPR antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	261
Applicable Applications for anti-SPR antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	This gene encodes an aldo-keto reductase that catalyzes the NADPH-dependent reduction of pteridine derivatives and is important in the biosynthesis of tetrahydrobiopterin (BH4). Mutations in this gene result in DOPA-responsive dystoniadue to sepiaterin reductase deficiency.
Cross-Reactivity	Human, Rat
Immunogen	SPR antibody was raised in mouse using a full length recombinant protein of human SPR (NP_003115) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES

IF (Immunofluorescence)
Immunofluorescent staining of COS7 cells transiently transfected with recombinant SPR protein using SPR antibody

IHC (Immunohistochemisry)
Immunohistochemical analysis of SPR protein in paraffin embedded Adenocarcinoma of Human colon tissue using SPR antibody

WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant SPR protein (Right) or empty vector (Left) detected with SPR antibody

FCM/FACS (Flow Cytometry)
Flow Cytometric analysis of HEK293T cells transfected with either recombinant SPR protein (red) or empty vector (blue) stained using SPR antibody

ADDITIONAL INFORMATION

Related Product Information for anti-SPR antibody	Mouse monoclonal SPR antibody
Product Categories/Family for anti-SPR antibody	Proteases; Inhibitors; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507185
NCBI GeneID	6697
NCBI Accession #	NP_003115
NCBI GenBank Nucleotide #	NM_003124.4
UniProt Accession #	P35270; Q53GI9; Q9UBB1; A8K741; D6W5H2
Molecular Weight	28,048 Da
NCBI Official Full Name	sepiapterin reductase
NCBI Official Synonym Full Names	sepiapterin reductase (7,8-dihydrobiopterin:NADP+ oxidoreductase)
NCBI Official Symbol	SPR
NCBI Official Synonym Symbols	SDR38C1
NCBI Protein Information	sepiapterin reductase
UniProt Protein Name	Sepiapterin reductase
UniProt Gene Name	**SPR**
UniProt Synonym Gene Names	SPR
UniProt Entry Name	SPRE_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/spr-antibody-clone-4f5-western-blot-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/107090