SMC1B Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SMC1B, Polyclonal Antibody
Full Product Name	SMC1B, ID (SMC1B, SMC1L2, Structural maintenance of chromosomes protein 1B) (MaxLight 650)
Product Gene Name	anti-SMC1B antibody
Product Synonym Names	SMC1B; SMC1L2; Structural maintenance of chromosomes protein 1B
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	143908
OMIM	608685
3D Structure	ModBase 3D Structure for Q8NDV3
Immunogen	SMC1B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 736-765 amino acids from the Central region of human SMC1B.
Conjugate	MaxLight650
Note	Preservative Free
Product Categories/Family for anti-SMC1B antibody	Antibodies; Cell Division Cycle (CDC)
Applications Tested/Suitable for anti-SMC1B antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-SMC1B antibody	IHC: 1:10-50 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-SMC1B antibody	MaxLight650 is a new Far-IR stable dye conjugate comparable to Alexa Fluor647, DyLight649, Cy5 and offers better labeling efficiency, brighter imaging and increased immunodetection. Absorbance (655nm); Emission (676nm); Extinction Coefficient 250,000.
Product References and Citations for anti-SMC1B antibody	Cobbe, N., et al. Mol. Biol. Evol. 21(2):332-347(2004). Revenkova, E., et al. Mol. Cell. Biol. 21(20):6984-6998(2001). Harrington, J.J., et al. Nat. Biotechnol. 19(5):440-445(2001).
Other Notes	Small volumes of anti-SMC1B antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for SMC1B purchase	MBS6348910 is an antibody targeting SMC1B. Also known as SMC1B, ID (SMC1B, SMC1L2, Structural maintenance of chromosomes protein 1B) (MaxLight 650). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SMC1B. It may not necessarily be applicable to this product.

NCBI GI #	71565160
NCBI GeneID	27127
NCBI Accession #	NP_683515.3
UniProt Primary Accession #	Q8NDV3
UniProt Secondary Accession #	Q5TIC3; Q6ZUF9; Q9Y3G5; A0AV46; B0QY23; B0QY24
UniProt Related Accession #	Q8NDV3
GenBank Nucleotide #	NM_148674.3
NCBI Official Full Name	structural maintenance of chromosomes protein 1B
NCBI Official Synonym Full Names	structural maintenance of chromosomes 1B
NCBI Official Symbol	SMC1B
NCBI Official Synonym Symbols	SMC1L2; SMC1BETA
UniProt Protein Name	Structural maintenance of chromosomes protein 1B
Protein Family	Structural maintenance of chromosomes protein
UniProt Gene Name	SMC1B
UniProt Synonym Gene Names	SMC1L2; SMC protein 1B; SMC-1-beta; SMC-1B
UniProt Entry Name	SMC1B_HUMAN
NCBI Protein Information	structural maintenance of chromosomes protein 1B
NCBI Summary for SMC1B	SMC1L2 belongs to a family of proteins required for chromatid cohesion and DNA recombination during meiosis and mitosis (3:Revenkova et al., 2001 [PubMed 11564881]).[supplied by OMIM, Mar 2008]
Research Articles on SMC1B	**1.** High SMC1B expression is associated with pancreatic cancer.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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