ABRAXAS1 Peptide - C-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	ABRAXAS1, Blocking Peptide
Full Product Name	ABRAXAS1 Peptide - C-terminal region
Product Gene Name	ABRAXAS1 blocking peptide
Product Synonym Gene Name	ABRA1; CCDC98; FAM175A; ABRAXAS1
Sequence	DDRWQFKRSR LLDTQDKRSK ADTGSSNQDK ASKMSSPETD EEIEKMKGFG
Species Reactivity	Human
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	ABRAXAS1 peptide (MBS3241629) is used for blocking the activity of ABRAXAS1 antibody (MBS3216729)
Molecular Weight	47kDa
OMIM	phenotype 611143
Product Categories/Family for ABRAXAS1 blocking peptide	Peptide
Applications Tested/Suitable for ABRAXAS1 blocking peptide	Western Blot (WB)
Related Product Information for ABRAXAS1 blocking peptide	This gene encodes a protein that binds to the C-terminal repeats of breast cancer 1 (BRCA1) through a phospho-SXXF motif. The encoded protein recruits ubiquitin interaction motif containing 1 protein to BRCA1 protein and is required for DNA damage resistance, DNA repair, and cell cycle checkpoint control. Pseudogenes of this gene are found on chromosomes 3 and 8. Alternative splicing results in multiple transcript variants.
Other Notes	Small volumes of ABRAXAS1 blocking peptide 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 ABRAXAS1 purchase	MBS3241629 is a blocking peptide targeting ABRAXAS1. Also known as ABRAXAS1 Peptide - C-terminal region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ABRAXAS1. It may not necessarily be applicable to this product.

NCBI GI #	109148531
NCBI GeneID	84142
NCBI Accession #	NP_620775
UniProt Primary Accession #	Q6UWZ7
UniProt Related Accession #	Q6UWZ7
GenBank Nucleotide #	NM_139076
NCBI Official Full Name	BRCA1-A complex subunit Abraxas 1 isoform 1
NCBI Official Synonym Full Names	abraxas 1, BRCA1 A complex subunit

NCBI Official Symbol	ABRAXAS1
NCBI Official Synonym Symbols	ABRA1; CCDC98; FAM175A
UniProt Protein Name	BRCA1-A complex subunit Abraxas
UniProt Synonym Protein Names	Coiled-coil domain-containing protein 98; Protein FAM175A
UniProt Gene Name	FAM175A
UniProt Synonym Gene Names	ABRA1; CCDC98
UniProt Entry Name	F175A_HUMAN
NCBI Protein Information	BRCA1-A complex subunit Abraxas 1
UniProt Comments for ABRAXAS1	Abraxas: Component of the BRCA1-A complex, a complex that specifically recognizes 'Lys-63'-linked ubiquitinated histones H2A and H2AX at DNA lesions sites, leading to target the BRCA1-BARD1 heterodimer to sites of DNA damage at double-strand breaks (DSBs). The BRCA1-A complex also possesses deubiquitinase activity that specifically removes 'Lys-63'-linked ubiquitin on histones H2A and H2AX. In the BRCA1-A complex, it acts as a central scaffold protein that assembles the various components of the BRCA1-A complex and mediates the recruitment of BRCA1. Belongs to the FAM175 family. Abraxas subfamily. Protein type: DNA repair, damage Chromosomal Location of Human Ortholog: 4q21.23 Cellular Component: nucleus Molecular Function: protein binding; polyubiquitin binding Biological Process: positive regulation of DNA repair; double-strand break repair; chromatin modification; response to ionizing radiation; G2/M transition DNA damage checkpoint
Research Articles on ABRAXAS1	**1.** Our data also suggest how ataxia telangiectasia mutated (ATM)-dependent BRCA1 dimerization may stabilize self-association of the entire BRCA1-A complex.
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/human-blocking-peptide/abraxas1/3241629