PHC3 Peptide - C-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	PHC3, Blocking Peptide
Full Product Name	PHC3 Peptide - C-terminal region
Product Gene Name	PHC3 blocking peptide
Product Synonym Gene Name	PHC3;EDR3; PH3;
Sequence	Synthetic peptide located within the following region: LSRWNRKPDN QSLGHRGRRP SGPDGAAREH ILRQLPITYP SAEEDLASHE
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	PHC3 peptide (MBS3244945) is used for blocking the activity of PHC3 antibody (MBS3220116)
Molecular Weight	108kDa
Product Categories/Family for PHC3 blocking peptide	Peptide
Related Product Information for PHC3 blocking peptide	This is a synthetic peptide designed for use in combination with anti-PHC3 Antibody, made Target Description: PHC3 is a component of a Polycomb group (PcG) multiprotein PRC1- like complex, a complex class required to maintain the transcriptionally repressive state of many genes, including Hox genes, throughout development. PcG PRC1 complex acts via chromatin remodeling and modification of histones; it mediates monoubiquitination of histone H2A 'Lys-119', rendering chromatin heritably changed in its expressibility.
Other Notes	Small volumes of PHC3 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 PHC3 purchase	MBS3244945 is a blocking peptide targeting PHC3. Also known as PHC3 Peptide - C-terminal region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PHC3. It may not necessarily be applicable to this product.

NCBI GI #	530375306
NCBI GeneID	80012
NCBI Accession #	XP_005247847
UniProt Primary Accession #	Q8NDX5
UniProt Related Accession #	Q8NDX5
GenBank Nucleotide #	XM_005247790.1
NCBI Official Synonym Full Names	polyhomeotic homolog 3
NCBI Official Symbol	PHC3
NCBI Official Synonym Symbols	EDR3; HPH3

UniProt Protein Name	Polyhomeotic-like protein 3
UniProt Synonym Protein Names	Early development regulatory protein 3; Homolog of polyhomeotic 3; hPH3
Protein Family	Polyhomeotic-like protein
UniProt Gene Name	PHC3
UniProt Synonym Gene Names	EDR3; PH3; hPH3
UniProt Entry Name	PHC3_HUMAN
NCBI Protein Information	polyhomeotic-like protein 3
UniProt Comments for PHC3	PHC3: Component of a Polycomb group (PcG) multiprotein PRC1- like complex, a complex class required to maintain the transcriptionally repressive state of many genes, including Hox genes, throughout development. PcG PRC1 complex acts via chromatin remodeling and modification of histones; it mediates monoubiquitination of histone H2A 'Lys-119', rendering chromatin heritably changed in its expressibility. 7 isoforms of the human protein are produced by alternative splicing. Protein type: Transcription regulation Chromosomal Location of Human Ortholog: 3q26.2 Cellular Component: nucleoplasm; intracellular membrane-bound organelle; PcG protein complex; nucleus; actin cytoskeleton Molecular Function: DNA binding; zinc ion binding Biological Process: multicellular organismal development
Research Articles on PHC3	**1.** Data show that polycomb-group proteins BMI1, PHC3, CBX6 and CBX7 expression was significantly increased during imatinib treatment.
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