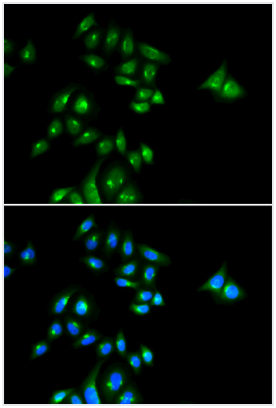
PHC3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PHC3, Polyclonal Antibody
Full Product Name	PHC3 antibody
Product Gene Name	anti-PHC3 antibody
Product Synonym Names	EDR3; HPH3
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Antibodies were purified by affinity purification using immunogen.
Concentration	1.0 mg/ml (lot specific)
Specificity	The antibody detects endogenous level of total PHC3 antibody.
Preparation and Storage	Store at -20 degree C
Molecular Weight	107,480 Da
3D Structure	ModBase 3D Structure for Q8NDX5
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human PHC3.
Target Name	PHC3
Product Categories/Family for anti-PHC3 antibody	Total protein Ab
Applications Tested/Suitable for anti-PHC3 antibody	Western Blot (WB), Immunofluorescence (IF)
Application Notes for anti-PHC3 antibody	Western blotting: 1:500 - 1:2000 Immunofluorescence: 1:50 - 1:100
Related Product Information for anti-PHC3 antibody	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 anti-PHC3 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 PHC3 purchase	MBS9407715 is an antibody targeting PHC3. Also known as PHC3 antibody. Reactive in Human, Mouse. Host: Rabbit.



Immunofluorescence (IF) of anti-PHC3 antibody
Immunofluorescence analysis of U2OS cell using PHC3 antibody. Blue: DAPI for nuclear staining.

ADDITIONAL DETAILS

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

NCBI GI #	809279641
NCBI GeneID	80012
NCBI Accession #	NP_001295045.1
UniProt Primary Accession #	Q8NDX5
UniProt Secondary Accession #	Q5HYF0; Q6NSG2; Q8NFT7; Q8NFZ1; Q8TBM2; Q9H971; Q9H9I4; A2RRP9
UniProt Related Accession #	Q8NDX5
GenBank Nucleotide #	NM_001308116.1
NCBI Official Full Name	polyhomeotic-like protein 3 isoform 2
NCBI Official Synonym Full Names	polyhomeotic homolog 3 (Drosophila)
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.** PHC3 amplification may emerge as a biomarker in cancer.
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