EPC1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	EPC1, Polyclonal Antibody
Full Product Name	EPC1 Rabbit pAb
Product Gene Name	anti-EPC1 antibody
Product Synonym Names	Epl1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3.
Purity/Purification	Affinity Purified
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	105kDa
OMIM	610999
3D Structure	ModBase 3D Structure for Q9H2F5
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-300 of human EPC1 (NP_079485.1).
Cellular Localization	Nucleus
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-EPC1 antibody	Western Blot (WB), Immunofluorescence (IF)
Application Notes for anti-EPC1 antibody	WB: 1:500-1:2000 IF: 1:50-1:100
Related Product Information for anti-EPC1 antibody	Component of the NuA4 histone acetyltransferase (HAT) complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histones H4 and H2A. This modification may both alter nucleosome-DNA interactions and promote interaction of the modified histones with other proteins which positively regulate transcription. This complex may be required for the activation of transcriptional programs associated with oncogene and proto-oncogene mediated growth induction, tumor suppressor mediated growth arrest and replicative senescence, apoptosis, and DNA repair. NuA4 may also play a direct role in DNA repair when directly recruited to sites of DNA damage.
Other Notes	Small volumes of anti-EPC1 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 EPC1 purchase	MBS8545805 is an antibody targeting EPC1. Also known as EPC1 Rabbit pAb. Reactive in Human, Mouse. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EPC1. It may not necessarily be applicable to this product.

NCBI GI #	433282967
NCBI GeneID	80314
NCBI Accession #	NP_001258933.1
UniProt Primary Accession #	Q9H2F5
UniProt Related Accession #	Q9H2F5
GenBank Nucleotide #	NP_001258933.1
NCBI Official Full Name	enhancer of polycomb homolog 1 isoform b
NCBI Official Synonym Full Names	enhancer of polycomb homolog 1
NCBI Official Symbol	EPC1
NCBI Official Synonym Symbols	Epl1
UniProt Protein Name	Enhancer of polycomb homolog 1
Protein Family	Enhancer of polycomb
UniProt Gene Name	EPC1
UniProt Entry Name	EPC1_HUMAN
NCBI Protein Information	enhancer of polycomb homolog 1
NCBI Summary for EPC1	This gene encodes a member of the polycomb group (PcG) family. The encoded protein is a component of the NuA4 histone acetyltransferase complex and can act as both a transcriptional activator and repressor. The encoded protein has been linked to apoptosis, DNA repair, skeletal muscle differentiation, gene silencing, and adult T-cell leukemia/lymphoma. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2012]
Research Articles on EPC1	**1.** Epigenetic factor EPC1 is a master regulator of DNA damage response by interacting with E2F1 to silence death and activate metastasis-related gene signatures
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