abcam

Product datasheet

Recombinant Human PP-X protein ab114692

1 图像

描述

产品名称	重组人PP-X蛋白
表达系统	Wheat germ
Accession	P60510
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	MAEISDLDRQIEQLRRCELIKESEVKALCAKAREILVEESNV QRVDSPVT VCGDIHGQFYDLKELFRVGGDVPETNYLFMGDFVDRGFYSVE TFLLLLAL KVRYPDRITLIRGNHESRQITQVYGFYDECLRKYGSVTVWRY CTEIFDYL SLSAIIDGKIFCVHGGLSPSIQTLDQIRTIDRKQEVPHDGPM CDLLWSDP EDTTGWGVSPRGAGYLFGSDVVAQFNAANDIDMICRAHQLVM EGYKWHFN ETVLTVWSAPNYCYRCGNVAAILELDEHLQKDFIIFEAAPQE TRGIPSKK PVADYFL
预测分子量	60 kDa including tags
氨基酸	1 to 308

技术指标

Our **Abpromise guarantee** covers the use of **ab114692** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	ELISA
	Western blot
	SDS-PAGE
形式	Liquid

制备和贮存

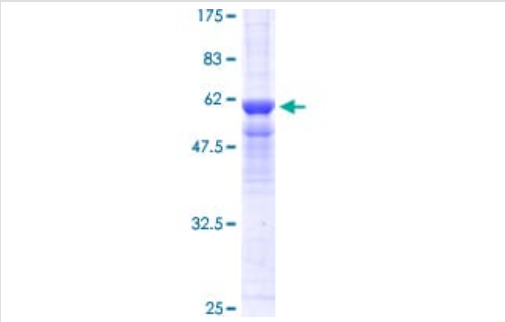
制备和处理

稳定性和存储	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl

常规信息

功能	Protein phosphatase that is involved in many processes such as microtubule organization at centrosomes, maturation of spliceosomal snRNPs, apoptosis, DNA repair, tumor necrosis factor (TNF)-alpha signaling, activation of c-Jun N-terminal kinase MAPK8, regulation of histone acetylation, DNA damage checkpoint signaling, NF-kappa-B activation and cell migration. The PPP4C-PPP4R1 PP4 complex may play a role in dephosphorylation and regulation of HDAC3. The PPP4C-PPP4R2-PPP4R3A PP4 complex specifically dephosphorylates H2AFX phosphorylated on Ser-140 (gamma-H2AFX) generated during DNA replication and required for DNA double strand break repair. Dephosphorylates NDEL1 at CDK1 phosphorylation sites and negatively regulates CDK1 activity in interphase (By similarity). In response to DNA damage, catalyzes RPA2 dephosphorylation, an essential step for DNA repair since it allows the efficient RPA2-mediated recruitment of RAD51 to chromatin.
序列相似性	Belongs to the PPP phosphatase family. PP-4 (PP-X) subfamily.
细胞定位	Cytoplasm. Nucleus. Cytoplasm > cytoskeleton > centrosome.

图片



SDS-PAGE - Recombinant Human PP-X protein (ab114692)

12.5% SDS-PAGE showing ab114692 at approximately 59.51kDa stained with Coomassie Blue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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