Recombinant Mouse 14-3-3 protein beta,alpha(Ywhab)

Catalog No: #AP77870

Package Size: #AP77870-1 20ug #AP77870-2 100ug #AP77870-3 1mg

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Description

Product Name	Recombinant Mouse 14-3-3 protein beta,alpha(Ywhab)
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-246aaSequence Info:Full Length
Other Names	Protein kinase C inhibitor protein 1
Accession No.	Q9CQV8
Uniprot	Q9CQV8
GeneID	54401;
Calculated MW	30.1 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	MTMDKSELVQKAKLAEQAERYDDMAAAMKAVTEQGHELSNEERNLLSVAYKNVVGARRSSWRVISSIEQKTE RNEKKQQMGKEYREKIEAELQDICNDVLELLDKYLILNATQAESKVFYLKMKGDYFRYLSEVASGENKQTTVS NSQQAYQEAFEISKKEMQPTHPIRLGLALNFSVFYYEILNSPEKACSLAKTAFDEAIAELDTLNEESYKDSTLIM QLLRDNLTLWTSENQGDEGDAGEGEN
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Adapter protein implicated in the regulation of a large spectrum of both general and specialized signaling pathways. Binds to a large number of partners, usually by recognition of a phosphoserine or phosphothreonine motif. Binding generally results in the modulation of the activity of the binding partner. Negative regulator of osteogenesis. Blocks the nuclear translocation of the phosphorylated form (by AKT1) of SRPK2 and antagonizes its stimulatory effect on cyclin D1 expression resulting in blockage of neuronal apoptosis elicited by SRPK2. Negative regulator of signaling cascades that mediate activation of MAP kinases via AKAP13.

References

"Promotion of importin alpha-mediated nuclear import by the phosphorylation-dependent binding of cargo protein to 14-3-3."
Faul C., Huettelmaier S., Oh J., Hachet V., Singer R.H., Mundel P.
J. Cell Biol. 169:415-424(2005)Research Topic:Neuroscience

Note: This product is for in vitro research use only