FKBP4 Peptide-N-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	FKBP4, Blocking Peptide
Full Product Name	FKBP4 Peptide-N-terminal region
Product Gene Name	FKBP4 blocking peptide
Product Synonym Names	p59; 59kDa; FKBP-4; FKBP52; FKPB52; FKBP-52; AL022792; AW208983
Sequence	EGTGTETPMI GDRVFVHYTG WLLDGTKFDS SLDRKDKFSF DLGKGEVIKA
Species Reactivity	Mouse
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	FKBP4 peptide (MBS3249495) is used for blocking the activity of FKBP4 antibody (MBS3249821)
Molecular Weight	52kDa
Quality Control	The peptide is characterized by mass spectroscopy
Protein Size	458 amino acids
Related Product Information for FKBP4 blocking peptide	This is a synthetic peptide designed for use in combination with anti-FKBP4 Antibody. It may block above mentioned antibody from binding to its target protein in western blot and/or immunohistochecmistry under proper experimental settings. Description of Target: Immunophilin protein with PPIase and co-chaperone activities. Component of steroid receptors heterocomplexes through interaction with heat-shock protein 90 (HSP90). May play a role in the intracellular trafficking of heterooligomeric forms of steroid hormone receptors between cytoplasm and nuclear compartments. The isomerase activity controls neuronal growth cones via regulation of TRPC1 channel opening. Acts also as a regulator of microtubule dynamics by inhibiting MAPT/TAU ability to promote microtubule assembly. May have a protective role against oxidative stress in mitochondria.
Other Notes	Small volumes of FKBP4 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 FKBP4 purchase	MBS3249495 is a blocking peptide targeting FKBP4. Also known as FKBP4 Peptide-N-terminal region. Reactive in Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FKBP4. It may not necessarily be applicable to this product.

NCBI GeneID	14228
NCBI Accession #	NM_010219.3
UniProt Primary Accession #	P30416
UniProt Related Accession #	NP_034349.1
UniProt Protein Name	Peptidyl-prolyl cis-trans isomerase FKBP4

UniProt Synonym Protein Names	52 kDa FK506-binding protein; 52 kDa FKBP; FKBP-52; 59 kDa immunophilin; p59; FK506-binding protein 4; FKBP-4; FKBP59; HSP-binding immunophilin; HBI; Immunophilin FKBP52; RotamaseCleaved into the following chain:Peptidyl-prolyl cis-trans isomerase FKBP4, N-terminally processed
Protein Family	Peptidyl-prolyl cis-trans isomerase
UniProt Gene Name	Fkbp4
UniProt Synonym Gene Names	Fkpb52; PPIase FKBP4; 52 kDa FKBP; FKBP-52; p59; FKBP-4; HBI
UniProt Entry Name	FKBP4_MOUSE
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