CDC42EP4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CDC42EP4, Polyclonal Antibody
Full Product Name	CDC42EP4 Antibody
Product Gene Name	anti-CDC42EP4 antibody
Product Synonym Names	BORG4; CEP4; Cdc42 effector protein 4; Binder of Rho GTPases 4
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Rat
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH7.3, 30% glycerol, and 0.01% sodium azide.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of CDC42EP4 protein.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	37,980 Da
Chromosome Location	Chromosome: 17; NC_000017.10 (71279763..71308143, complement). Location: 17q24-q25
OMIM	605468
3D Structure	ModBase 3D Structure for Q9H3Q1
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CDC42EP4. The exact sequence is proprietary.
Product Categories/Family for anti-CDC42EP4 antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CDC42EP4 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-CDC42EP4 antibody	WB: 1:500-1:1000 IHC: 1:50-1:200
Related Product Information for anti-CDC42EP4 antibody	MBS8582981 is an antibody targeting CDC42EP4. Also known as CDC42EP4 Antibody. Reactive in Human, Rat. Host: Rabbit. Rabbit polyclonal antibody to CDC42EP4
Other Notes	Small volumes of anti-CDC42EP4 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CDC42EP4. It may not necessarily be applicable to this product.

NCBI GI #	13786127
NCBI GeneID	23580

NCBI Accession #	NP_036253.2
UniProt Primary Accession #	Q9H3Q1
UniProt Secondary Accession #	O95828; Q96FT3
UniProt Related Accession #	Q9H3Q1
GenBank Nucleotide #	NM_012121.4
NCBI Official Full Name	cdc42 effector protein 4
NCBI Official Synonym Full Names	CDC42 effector protein (Rho GTPase binding) 4
NCBI Official Symbol	CDC42EP4
NCBI Official Synonym Symbols	CEP4; BORG4; KAIA1777
UniProt Protein Name	Cdc42 effector protein 4
UniProt Synonym Protein Names	Binder of Rho GTPases 4
Protein Family	Cdc42 effector protein
UniProt Gene Name	CDC42EP4
UniProt Synonym Gene Names	BORG4; CEP4
UniProt Entry Name	BORG4_HUMAN
NCBI Protein Information	cdc42 effector protein 4; binder of Rho GTPases 4
NCBI Summary for CDC42EP4	The product of this gene is a member of the CDC42-binding protein family. Members of this family interact with Rho family GTPases and regulate the organization of the actin cytoskeleton. This protein has been shown to bind both CDC42 and TC10 GTPases in a GTP-dependent manner. When overexpressed in fibroblasts, this protein was able to induce pseudopodia formation, which suggested a role in inducing actin filament assembly and cell shape control. [provided by RefSeq, Jul 2008]
UniProt Comments for CDC42EP4	CDC42EP4: Probably involved in the organization of the actin cytoskeleton. May act downstream of CDC42 to induce actin filament assembly leading to cell shape changes. Induces pseudopodia formation, when overexpressed in fibroblasts. Belongs to the BORG/CEP family. Protein type: Cytoskeletal Chromosomal Location of Human Ortholog: 17q24-q25 Cellular Component: microtubule cytoskeleton; cytoplasm; plasma membrane; endomembrane system; actin cytoskeleton Molecular Function: GTP-Rho binding Biological Process: regulation of cell shape; positive regulation of pseudopodium formation; positive regulation of actin filament polymerization; Rho protein signal transduction
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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