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	CDC42EP4; BORG4; CEP4; Cdc42 effector protein 4; Binder of Rho GTPases 4
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid; In Phosphate Buffered Saline, 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
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	Synthesized peptide derived from the Internal region of human Cdc42EP4.
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-CDC42EP4 antibody	Signal Transduction
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CDC42EP4 antibody	Western Blot (WB), Immunohistochemistry (IHC), ELISA (EIA)
Application Notes for anti-CDC42EP4 antibody	WB: 1:500-1:2000 IHC: 1:100-1:300 ELISA: 1:20000
Related Product Information for anti-CDC42EP4 antibody	MBS7119252 is an antibody targeting CDC42EP4. Also known as CDC42EP4 Antibody. Reactive in Human. Host: Rabbit.
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
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