ARHGEF6 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ARHGEF6, Polyclonal Antibody
Full Product Name	ARHGEF6 (COOL2, KIAA0006, PIXA, Rho Guanine Nucleotide Exchange Factor 6, Alpha-Pix, COOL-2, PAK-interacting Exchange Factor alpha, Rac/
Product Gene Name	anti-ARHGEF6 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Rabbit
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human ARHGEF6.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo
OMIM	300267
3D Structure	ModBase 3D Structure for Q15052
Immunogen	Full length human ARHGEF6, aa1-776 (NP_004831).
Immunogen Sequence	MNPEEQIVTWLISLGVLESPKKTICDPEEFLKSSLKNGVVLCKLINRLMPGSVEKFCLDPQTEADCINNINDFLKGCATLQVEIFDPDDLYSGVNFSKVLSTL
Conjugate	MaxLight650
Note	Preservative Free
Product Categories/Family for anti-ARHGEF6 antibody	Antibodies; GTPase; Rab; Ras; Rho Proteins
Applications Tested/Suitable for anti-ARHGEF6 antibody	Western Blot (WB)
Application Notes for anti-ARHGEF6 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-ARHGEF6 antibody	Rho GTPases play a fundamental role in numerous cellular processes that are initiated by extracellular stimuli that work through G protein coupled rece
Other Notes	Small volumes of anti-ARHGEF6 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If ne

Searchable Terms for ARHGEF6 purchase	MBS6370317 is an antibody targeting ARHGEF6. Also known as ARHGEF6 (COOL2, KIAA0006, PIXA, Rho Guanine Nucleotide Exchange Factor 6, A

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ARHGEF6. It may not necessarily be applicable to this product.

NCBI GI #	22027525
NCBI GeneID	9459
NCBI Accession #	NP_004831
UniProt Primary Accession #	Q15052
UniProt Related Accession #	Q15052
GenBank Nucleotide #	NM_004840
NCBI Official Full Name	rho guanine nucleotide exchange factor 6 isoform 1
NCBI Official Synonym Full Names	Rac/Cdc42 guanine nucleotide exchange factor 6
NCBI Official Symbol	ARHGEF6
NCBI Official Synonym Symbols	PIXA; COOL2; MRX46; Cool-2; alphaPIX; alpha-PIX
UniProt Protein Name	Rho guanine nucleotide exchange factor 6
UniProt Synonym Protein Names	Alpha-Pix; COOL-2; PAK-interacting exchange factor alpha; Rac/Cdc42 guanine nucleotide exchange factor 6
Protein Family	Rho guanine nucleotide exchange factor
UniProt Gene Name	ARHGEF6
UniProt Synonym Gene Names	COOL2; KIAA0006; PIXA
UniProt Entry Name	ARHG6_HUMAN
NCBI Protein Information	rho guanine nucleotide exchange factor 6
NCBI Summary for ARHGEF6	Rho GTPases play a fundamental role in numerous cellular processes that are initiated by extracellular stimuli that work through G protein coupled receptors. The encoded protein belongs to a family of cytoplasmic proteins that activate the Ras-like family of Rho proteins by exchanging bound GDP for GTP. It may form a complex with G proteins and stimulate Rho-dependent signals. This protein is activated by PI3-kinase. Mutations in this gene can cause X-chromosomal non-specific cognitive disability. [provided by RefSeq, Jul 2008]
Research Articles on ARHGEF6	**1.** In this first X chromosome-wide association study of adult patients with IBD, we identified an IBD susceptibility locus with genome-wide significance at rs2427870 on chrXq26.3, located 66 kbp upstream of CD40LG and 83.4 kbp upstream of ARHGEF6 [OR, 1.22; combined p = 3.79 x 10-15].
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