



# Anti-ARHGEF6 monoclonal antibody (DCABH-10599)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	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 mental retardation.
<b>Immunogen</b>	A synthetic peptide of human ARHGEF6 is used for rabbit immunization.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Protein A
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Western Blot (Transfected lysate); ELISA
<b>Buffer</b>	In 1x PBS, pH 7.4
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">ARHGEF6 Rac/Cdc42 guanine nucleotide exchange factor (GEF) 6 [ Homo sapiens ]</a>
<b>Official Symbol</b>	ARHGEF6
<b>Synonyms</b>	ARHGEF6; Rac/Cdc42 guanine nucleotide exchange factor (GEF) 6; mental retardation, X linked 46 , MRX46; rho guanine nucleotide exchange factor 6; alpha PIX; alphaPIX; Cool 2; Cool2; KIAA0006; PAK interacting exchange factor; alpha; Rac/Cdc42 guanine exchange factor (GEF) 6; PAK-interacting exchange factor alpha; PAK-interacting exchange factor, alpha; rac/Cdc42 guanine nucleotide exchange factor 6; PIXA; COOL2; MRX46; Cool-2; alpha-PIX;
<b>Entrez Gene ID</b>	<a href="#">9459</a>
<b>Protein Refseq</b>	<a href="#">NP_004831</a>
<b>UniProt ID</b>	<a href="#">Q15052</a>
<b>Chromosome Location</b>	Xq26
<b>Pathway</b>	CDC42 signaling events, organism-specific biosystem; Cell death signalling via NRAGE, NRIF and NADE, organism-specific biosystem; Cell junction organization, organism-specific biosystem; Cell-Cell communication, organism-specific biosystem; Cell-extracellular matrix interactions, organism-specific biosystem; Class I PI3K signaling events, organism-specific biosystem; G alpha (12/13) signalling events, organism-specific biosystem;
<b>Function</b>	GTPase activator activity; Rho guanyl-nucleotide exchange factor activity; guanyl-nucleotide exchange factor activity; protein binding;