Best Tools for immunology Research

ARHG6 Polyclonal Antibody

Catalog No :	YN1224
Reactivity :	Human;Rat;Mouse
Applications :	WB;ELISA
Target :	ARHG6
Fields :	>>Regulation of actin cytoskeleton;>>Pancreatic cancer
Gene Name :	ARHGEF6 COOL2 KIAA0006 PIXA
Protein Name :	Rho guanine nucleotide exchange factor 6 (Alpha-Pix) (COOL-2) (PAK-interacting exchange factor alpha) (Rac/Cdc42 guanine nucleotide exchange factor 6)
Human Gene Id :	9459
Human Swiss Prot No :	Q15052
Mouse Swiss Prot No :	Q8K4I3
Rat Swiss Prot No :	Q5XXR3
Immunogen :	Synthesized peptide derived from human protein . at AA range: 580-660
Specificity :	ARHG6 Polyclonal Antibody detects endogenous levels of protein.
Formulation :	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000 ELISA 1:5000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	85kD
Cell Pathway :	Regulates Actin and Cytoskeleton;Pancreatic cancer;
Background :	Rac/Cdc42 guanine nucleotide exchange factor 6(ARHGEF6) Homo sapiens 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. [provided by RefSeq, Jul 2008],
Function :	disease:Defects in ARHGEF6 are the cause of mental retardation X-linked type 46 (MRX46) [MIM:300436]. Mental retardation is a mental disorder characterized by significantly sub-average general intellectual functioning associated with impairments in adaptative behavior and manifested during the developmental period. Non-syndromic mental retardation patients do not manifest other clinical signs.,function:Acts as a RAC1 guanine nucleotide exchange factor (GEF).,similarity:Contains 1 CH (calponin-homology) domain.,similarity:Contains 1 DH (DBL-homology) domain.,similarity:Contains 1 PH domain.,similarity:Contains 1 SH3 domain.,subunit:Interacts with PAK kinases through the SH3 domain. Interacts with GIT1. Component of cytoplasmic complexes, which also contain PXN, GIT1 and PAK1.,tissue specificity:Ubiquitous.,
Subcellular Location :	Cell projection, lamellipodium .
Expression :	Ubiquitous.

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