



DOCK7 Polyclonal Antibody

Catalog No	BYab-05510
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	DOCK7 KIAA1771
Protein Name	Dedicator of cytokinesis protein 7
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	DOCK7 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	235kD
Cell Pathway	Cell projection, axon . Enriched in the developing axons of hippocampal neurons.
Tissue Specificity	Widely expressed.
Function	domain:The DHR-2 domain mediates GEF activity.,function:Functions as a guanine nucleotide exchange factor (GEF), which activates Rac1 and Rac3 Rho small GTPases by exchanging bound GDP for free GTP. Does not have a GEF activity for CDC42. Required for STMN1 'Ser-15' phosphorylation during axon formation and consequently for neuronal polarization.,similarity:Belongs to the DOCK family.,similarity:Contains 1 DHR-1 (CZH-1) domain.,similarity:Contains 1 DHR-2 (CZH-2) domain.,subcellular location:Enriched in the developing axons of hippocampal neurons.,subunit:Interacts with TSC1. Interacts with nucleotide-free RAC1 and RAC3.,tissue specificity:Widely expressed.,
Background	The protein encoded by this gene is a guanine nucleotide exchange factor (GEF) that plays a role in axon formation and neuronal polarization. The encoded protein

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displays GEF activity toward RAC1 and RAC3 Rho small GTPases but not toward CDC42. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2012],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images