

IQGAP3 Polyclonal Antibody

Catalog NumberPA5-32148

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Western Blot (WB)	Dilution *1:500-1:3,000
Type	Antibody	<div>* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.</div>	
Immunogen	Recombinant fragment corresponding to a region within amino acids 1380 and 1587 of Human IQGAP3		
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1 mg/mL		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Recommended positive controls: A549, HCT116. Predicted reactivity: Mouse (80%), Rat (81%), Bovine (92%). Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Background/Target Information

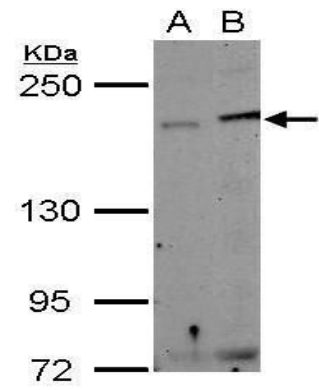
IQGAP3 (IQ motif containing GTPase activating protein 3) is a 1,631 amino acid protein that acts as an effector of Cdc42 and Rac 1, linking their activation to the cytoskeleton during neuronal morphogenesis. A novel member of the IQGAP family, IQGAP3 is highly expressed in brain where it localizes to axons of hippocampal neurons. IQGAP3 contains one Ras-GAP domain, a CH (calponin-homology) domain, four IQ domains and is encoded by a gene located on human chromosome 1, which spans 260 million base pairs, contains over 3,000 genes and comprises nearly 8% of the human genome. Chromosome 1 houses a large number of disease-associated genes, including those that are involved in familial adenomatous polyposis, Stickler syndrome, Parkinson's disease, Gaucher disease, schizophrenia and Usher syndrome. Aberrations in chromosome 1 are found in a variety of cancers, including head and neck cancer, malignant melanoma and multiple myeloma.

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IQGAP3 Antibody (PA5-32148) in WB
Western blot analysis of IQGAP3 using 30 µg of A) A549 and B) MCF-7 lysate. Samples were loaded onto a 5% SDS-PAGE gel and probed with an IQGAP3 polyclonal antibody (Product # PA5-32148) at a dilution of 1:1000.

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