10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SWAP70 Antibody(Ascites)

Mouse Monoclonal Antibody (Mab)
Catalog # AM2029a

Product Information

Application	WB, E
Primary Accession	Q9UH65
Other Accession	NP_055870.2
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Names	434CT16.5.5
Calculated MW	68998

Additional Information

Gene ID	23075
Other Names	Switch-associated protein 70, SWAP-70, SWAP70, KIAA0640
Target/Specificity	Purified His-tagged SWAP70 protein(Fragment) was used to produced this monoclonal antibody.
Dilution	WB~~1:1000~8000 E~~Use at an assay dependent concentration.
Format	Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	SWAP70 Antibody(Ascites) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SWAP70
Synonyms	KIAA0640
Function	Phosphatidylinositol 3,4,5-trisphosphate-dependent guanine nucleotide exchange factor (GEF) which, independently of RAS, transduces signals from tyrosine kinase receptors to RAC. It also mediates signaling of membrane ruffling. Regulates the actin cytoskeleton as an effector or adapter protein in response to agonist stimulated phosphatidylinositol (3,4)-bisphosphate

	production and cell protrusion (By similarity).
Cellular Location	Cytoplasm. Cell membrane. Nucleus. Cell projection, lamellipodium. Cytoplasm, cytoskeleton. Note=In resting B-cells it is localized mainly in the cytoplasm and upon cell activation it is recruited to the plasma membrane and then translocates to the nucleus (PubMed:10681448) In activated, class-switching B-cells it is associated with membrane IgG but not IgM (PubMed:10681448). Localized to loose actin filament arrays located behind actively extending lamellipodia (PubMed:12925760).
Tissue Location	Expressed only in mature B-cells including those associated with mucosa-associated tissue and bronchus-associated tissue (PubMed:10681448). Widely expressed. Abundant in spleen, and fairly abundant in kidney, lung and liver. Also found in monocytes and macrophages (PubMed:12925760).

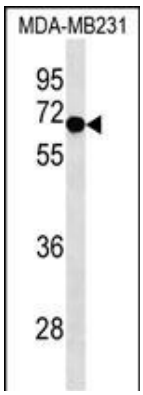
Background

Phosphatidylinositol 3,4,5-trisphosphate-dependent guanine nucleotide exchange factor (GEF) which, independently of RAS, transduces signals from tyrosine kinase receptors to RAC. It also mediates signaling of membrane ruffling. Regulates the actin cytoskeleton as an effector or adapter protein in response to agonist stimulated phosphatidylinositol (3,4)-bisphosphate production and cell protrusion (By similarity).

References

Liu, J., et al. J. Histochem. Cytochem. 55(7):701-708(2007)
Ihara, S., et al. J. Cell. Sci. 119 (PT 3), 500-507 (2006) :
Kimbara, N., et al. Microbiol. Immunol. 50(3):235-242(2006)
Hilpela, P., et al. Mol. Biol. Cell 14(8):3242-3253(2003)
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Images



SWAP70 Antibody (Cat. #AM2029a) western blot analysis in MDA-MB231 cell line lysates (35µg/lane).This demonstrates the SWAP70 antibody detected the SWAP70 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.