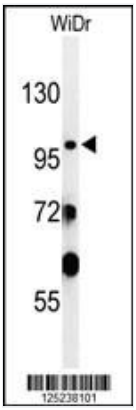
SAC2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SAC2, Polyclonal Antibody
Full Product Name	SAC2, NT (INPP5F, KIAA0966, SAC2, Phosphatidylinositide phosphatase SAC2, Inositol polyphosphate 5-phosphatase F, Sac domain-containing inositol phosphatase 2, Sac domain-containing phosphoinositide 5-phosphatase 2) (FITC)
Product Gene Name	anti-SAC2 antibody
Product Synonym Gene Name	INPP5F
Product Synonym Names	INPP5F; KIAA0966; SAC2; Phosphatidylinositide phosphatase SAC2; Inositol polyphosphate 5-phosphatase F; Sac domain-containing inositol phosphatase 2; Sac domain-containing phosphoinositide 5-phosphatase 2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein Isothiocyanate (FITC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	57,800 Da
OMIM	609389
3D Structure	ModBase 3D Structure for Q9Y2H2
Immunogen	SAC2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 140~169 amino acids from the N-terminal region of human SAC2.
Conjugate	FITC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-SAC2 antibody	Antibodies; Enzymes; Phosphatase
Applications Tested/Suitable for anti-SAC2 antibody	Western Blot (WB), FLISA
Application Notes for anti-SAC2 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-SAC2 antibody	SAC2 is an inositol 1,4,5-trisphosphate (InsP3) 5-phosphatase and contains a Sac domain. The activity of this protein is specific for phosphatidylinositol 4,5-bisphosphate and phosphatidylinositol 3,4,5-trisphosphate. Alternatively spliced transcript variants have been observed, but most of them are not thought to be protein-coding.

Product References and Citations for anti-SAC2 antibody	Zhu, W., et al. Circ. Res. 105(12):1240-1247(2009). Thole, J.M., et al. Plant Cell 20(2):381-395(2008). Grupe, A., et al. Am. J. Hum. Genet. 78(1):78-88(2006).
Other Notes	Small volumes of anti-SAC2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SAC2 purchase	MBS6344835 is an antibody targeting SAC2. Also known as SAC2, NT (INPP5F, KIAA0966, SAC2, Phosphatidylinositide phosphatase SAC2, Inositol polyphosphate 5-phosphatase F, Sac domain-containing inositol phosphatase 2, Sac domain-containing phosphoinositide 5-phosphatase 2) (FITC). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-SAC2 antibody
Western blot analysis of SAC2 Antibody (N-term) in WiDr cell line lysates (35ug/lane). SAC2 (arrow) was detected using the purified Pab.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SAC2. It may not necessarily be applicable to this product.

NCBI GI #	342307080
NCBI GeneID	22876
NCBI Accession #	NP_001230123
UniProt Primary Accession #	Q9Y2H2
UniProt Secondary Accession #	Q2T9J4; Q5W135; Q5W136; Q6NVY2; Q86U97; Q9H3D9; Q9NT51; B3KRF1; D3DRD1
UniProt Related Accession #	Q9Y2H2
GenBank Nucleotide #	NM_014937
NCBI Official Full Name	phosphatidylinositide phosphatase SAC2 isoform 2
NCBI Official Synonym Full Names	inositol polyphosphate-5-phosphatase F
NCBI Official Symbol	INPP5F
NCBI Official Synonym Symbols	SAC2; hSAC2; MSTP007; MSTPO47
UniProt Protein Name	Phosphatidylinositide phosphatase SAC2
UniProt Synonym Protein Names	Inositol polyphosphate 5-phosphatase F; Sac domain-containing inositol phosphatase 2; Sac domain-containing phosphoinositide 5-phosphatase 2; hSAC2
Protein Family	Phosphoinositide phosphatase
UniProt Gene Name	INPP5F
UniProt Synonym Gene Names	KIAA0966; SAC2; hSAC2
UniProt Entry Name	SAC2_HUMAN

NCBI Protein Information	phosphatidylinositide phosphatase SAC2; Sac domain-containing inositol phosphatase 2; sac domain-containing phosphoinositide 5-phosphatase 2
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/sac2/6344835