

Rabbit SRAC1 Polyclonal Antibody | anti-SERAC1 antibody

SRAC1 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285338	Rabbit	Human, mouse (Predicted Reactivity: Bovine)	Immunohistochemistry, ELISA, Western Blot

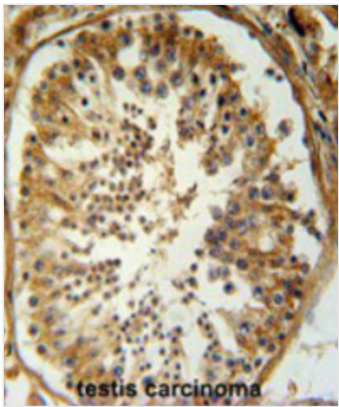
PRODUCT SYNONYMS

SRAC1; Polyclonal Antibody; SRAC1 Antibody (C-term); Protein SERAC1; Serine active site-containing protein 1; SERAC1; anti-SERAC1 antibody

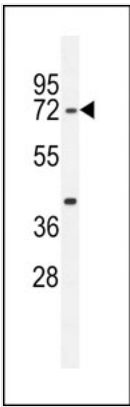
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Bovine)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This SRAC1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 552-581 amino acids from the C-terminal region of human SRAC1.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Positions	552-581
Sequence Length	167
Applicable Applications for anti-SERAC1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Function	Plays an important role in the phosphatidylglycerol remodeling that is essential for both mitochondrial function and intracellular cholesterol trafficking. May catalyze the remodeling of phosphatidylglycerol and be involved in the transacylation-acylation reaction to produce phosphatidylglycerol-36:1. May be involved in bis(monoacylglycerol)phosphate biosynthetic pathway.
Cellular Location	Membrane; Single-pass membrane protein. Endoplasmic reticulum. Mitochondrion. Note=Localizes at the endoplasmic reticulum and at the endoplasmic reticulum-mitochondria interface.
Tissue Location	Widely expressed, with predominant expression in fetal skeletal muscle and adult brain. In the brain, highest levels are found in the frontal and occipital cortices, cerebellum and hippocampus.
Preparation and 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.

IMAGES



IHC (Immunohistochemistry)
SRAC1 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human testis carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the SRAC1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
SRAC1 Antibody (C-term) western blot analysis in mouse stomach tissue lysates (35ug/lane). This demonstrates the SRAC1 antibody detected the SRAC1 protein (arrow).

ADDITIONAL INFORMATION

Product Categories/Family for anti-SERAC1 antibody	Signal Transduction
References	Rose, J. Phd, et al. Mol. Med. (2010) In press : Mungall, A.J., et al. Nature 425(6960):805-811(2003)

NCBI AND UNIPROT INFORMATION

NCBI GI #	228008407
NCBI GeneID	84947
NCBI Accession #	NP_116250.3
NCBI GenBank Nucleotide #	NM_032861.3
UniProt Accession #	Q96JX3; Q49AT1; Q5VTX3; Q6PKF3
Molecular Weight	Calculated MW: 74147
NCBI Official Full Name	protein SERAC1
NCBI Official Synonym Full Names	serine active site containing 1
NCBI Official Symbol	SERAC1
NCBI Protein Information	protein SERAC1
UniProt Protein Name	Protein SERAC1
UniProt Gene Name	SERAC1
UniProt Entry Name	SRAC1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.