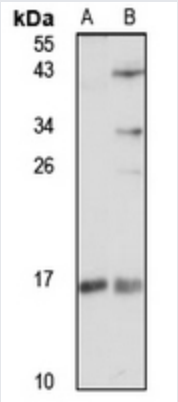
SDHAF2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SDHAF2, Polyclonal Antibody
Full Product Name	Anti-SDHAF2 Antibody
Product Gene Name	anti-SDHAF2 antibody
Product Synonym Names	C11orf79; PGL2; SDH5; Succinate dehydrogenase assembly factor 2 mitochondrial; SDH assembly factor 2; Succinate dehydrogenase subunit 5 mitochondrial; hSDH5
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid in 0.42% Potassium Phosphate, 0.87% Sodium Chloride, pH 7.3, 30% Glycerol, and 0.01% Sodium Azide.
Purity/Purification	Purified by Immunogen Affinity Chromatography
Specificity	Recognizes endogenous levels of SDHAF2 protein.
Preparation and Storage	Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	19,599 Da
OMIM	601650
3D Structure	ModBase 3D Structure for Q9NX18
Immunogen	Recombinant fusion protein of human SDHAF2. The exact sequence is proprietary.
Applications Tested/Suitable for anti-SDHAF2 antibody	Western Blot (WB)
Application Notes for anti-SDHAF2 antibody	WB: 1:500-1:2000
Related Product Information for anti-SDHAF2 antibody	MBS8308044 is an antibody targeting SDHAF2. Reactive in Human, Mouse. Host: Rabbit. Rabbit polyclonal antibody to SDHAF2
Other Notes	Small volumes of anti-SDHAF2 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.



Western Blot (WB) of anti-SDHAF2 antibody
Western blot analysis of SDHAF2 expression in HeLa (A), mouse brain (B) whole cell lysates.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SDHAF2. It may not necessarily be applicable to this product.

NCBI GI #	8923450
NCBI GeneID	54949
NCBI Accession #	NP_060311.1
UniProt Primary Accession #	Q9NX18
UniProt Secondary Accession #	Q8C6I2
UniProt Related Accession #	Q9NX18
GenBank Nucleotide #	NM_017841.2
NCBI Official Full Name	succinate dehydrogenase assembly factor 2, mitochondrial
NCBI Official Synonym Full Names	succinate dehydrogenase complex assembly factor 2
NCBI Official Symbol	SDHAF2
NCBI Official Synonym Symbols	PGL2; SDH5; C11orf79
UniProt Protein Name	Succinate dehydrogenase assembly factor 2, mitochondrial
Protein Family	Succinate dehydrogenase assembly factor
UniProt Gene Name	SDHAF2
UniProt Entry Name	SDHF2_HUMAN
NCBI Protein Information	succinate dehydrogenase assembly factor 2, mitochondrial; SDH assembly factor 2; SDHAF2; hSDH5; succinate dehydrogenase subunit 5, mitochondrial
NCBI Summary for SDHAF2	This gene encodes a mitochondrial protein needed for the flavination of a succinate dehydrogenase complex subunit required for activity of the complex. Mutations in this gene are associated with paraganglioma.[provided by RefSeq, Jul 2010]

UniProt Comments for SDHAF2	SDH5: a subunit of succinate dehydrogenase (SDH) complex II of the mitochondrial electron transport chain. SDH5 is required for insertion of FAD cofactor into SDHA, the catalytic subunit of succinate dehydrogenase (SDH) complex II. SDH is involved in complex II of the mitochondrial electron transport chain and is responsible for transferring electrons from succinate to ubiquinone (coenzyme Q). Mutated in some cancers. Germline mutations cause hereditary paragangliomas type 2, or non-chromaffin paragangliomas type 2. Paragangliomas are rare tumors that arise from components of the neuroendocrine system. Chromosomal Location of Human Ortholog: 11q12.2 Cellular Component: mitochondrion; mitochondrial matrix Molecular Function: protein binding Biological Process: mitochondrial electron transport, succinate to ubiquinone; protein-FAD linkage; protein amino acid dephosphorylation Disease: Paragangliomas 2
Research Articles on SDHAF2	**1.** Loss of heterozygosity was found in more than 50 % of the von Hippel-Lindau-associated pheochromocytomas, and was correlated with a significant decrease ($p < 0.05$) in both SDHAF2 and SDHD mRNA expression, which may be suggestive of a pathogenic role.
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