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

Anti-SDHAF1 Antibody (aa102-115)

Goat Anti Human Polyclonal Antibody
Catalog # ALS17911

Product Information

Application	WB, IHC-P, E
Primary Accession	A6NFY7
Predicted	Human, Monkey
Host	Goat
Clonality	Polyclonal
Calculated MW	12806

Additional Information

Gene ID	644096
Alias Symbol	SDHAF1
Other Names	SDHAF1, LYRM8, LYR motif-containing protein 8, SDH assembly factor 1
Target/Specificity	Human SDHAF1.
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-SDHAF1 Antibody (aa102-115) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SDHAF1 {ECO:0000303|PubMed:19465911, ECO:0000312|HGNC:HGNC:33867}
Function	Plays an essential role in the assembly of succinate dehydrogenase (SDH), an enzyme complex (also referred to as respiratory complex II) that is a component of both the tricarboxylic acid (TCA) cycle and the mitochondrial electron transport chain, and which couples the oxidation of succinate to fumarate with the reduction of ubiquinone (coenzyme Q) to ubiquinol (PubMed:19465911, PubMed:24954417). Promotes maturation of the iron-sulfur protein subunit SDHB of the SDH catalytic dimer, protecting it from the deleterious effects of oxidants (PubMed:24954417). May act together with SDHAF3 (PubMed:24954417). Contributes to iron-sulfur cluster incorporation into SDHB by binding to SDHB and recruiting the iron-sulfur transfer complex formed by HSC20, HSPA9 and ISCU through direct binding to HSC20 (PubMed:26749241).
Cellular Location	Mitochondrion matrix Ubiquitously expressed.

Tissue Location

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