

**SDHAF1 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP57594****Specification****SDHAF1 Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, ICC
Primary Accession	<a href="#">A6NFY7</a>
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	12806

**SDHAF1 Polyclonal Antibody - Additional Information****Gene ID** 644096**Other Names**

Succinate dehydrogenase assembly factor 1, mitochondrial, SDH assembly factor 1, SDHAF1, LYR motif-containing protein 8, SDHAF1 {ECO:0000303|PubMed:19465911, ECO:0000312|HGNC:HGNC:33867}

**Dilution**

<span class = "dilution\_WB">WB~1:1000</span><br \><span class = "dilution\_IHC-P">IHC-P~N/A</span><br \><span class = "dilution\_IHC-F">IHC-F~N/A</span><br \><span class = "dilution\_IF">IF~1:50~200</span><br \><span class = "dilution\_ICC">ICC~N/A</span>

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**SDHAF1 Polyclonal Antibody - 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:<a href="http://www.uniprot.org/citations/19465911" target="\_blank">19465911</a>, PubMed:<a href="http://www.uniprot.org/citations/24954417" target="\_blank">24954417</a>). Promotes maturation of the iron-sulfur protein subunit SDHB of the SDH catalytic dimer, protecting it from the deleterious effects of oxidants (PubMed:<a href="http://www.uniprot.org/citations/24954417"

target="\_blank">24954417</a>). May act together with SDHAF3 (PubMed:<a href="http://www.uniprot.org/citations/24954417" target="\_blank">24954417</a>). 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:<a href="http://www.uniprot.org/citations/26749241" target="\_blank">26749241</a>).

#### Cellular Location

Mitochondrion matrix

#### Tissue Location

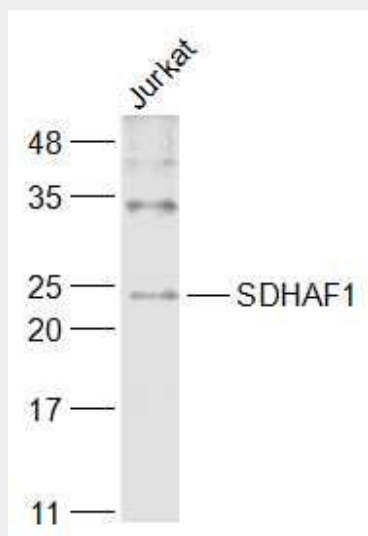
Ubiquitously expressed.

### SDHAF1 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### SDHAF1 Polyclonal Antibody - Images



#### Sample:

Jurkat(Human) Cell Lysate at 30 ug

Primary: Anti-SDHAF1 (bs-19603R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 21 kD

Observed band size: 22 kD