

ARG44023 anti-SDHD antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes SDHD
Tested Reactivity	Ms
Predict Reactivity	Hu, Rat, Bov, Sheep
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	SDHD
Species	Human
Immunogen	Human SDHD recombinantprotein
Conjugation	Un-conjugated
Alternate Names	SDHD; Succinate Dehydrogenase Complex Subunit D; CybS; Succinate Dehydrogenase [Ubiquinone] Cytochrome B Small Subunit, Mitochondrial; Succinate-Ubiquinone Oxidoreductase Cytochrome B Small Subunit; Succinate-Ubiquinone Reductase Membrane Anchor Subunit; CII-4; PGL1; QPs3; SDH4; PGL; Succinate Dehydrogenase Complex, Subunit D, Integral Membrane Protein; Succinate Dehydrogenase Complex Subunit D Integral Membrane Protein; Small Subunit Of Cytochrome B; MC2DN3; CBT1; CWS3

Application Instructions

Application table	Application	Dilution
	ICC/IF	2.5 µg/mL
	WB	1-2 µg/mL

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

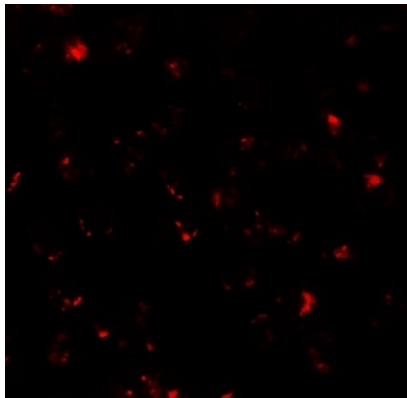
Properties

Form	Liquid
Buffer	PBS containing 0.02% sodium azide
Preservative	0.02% sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

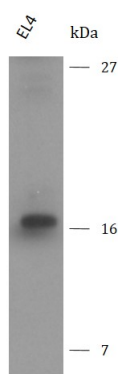
Gene Symbol	SDHD
Gene Full Name	Succinate Dehydrogenase Complex Subunit D
Background	This gene encodes a member of complex II of the respiratory chain, which is responsible for the oxidation of succinate. The encoded protein is one of two integral membrane proteins anchoring the complex to the matrix side of the mitochondrial inner membrane. Mutations in this gene are associated with the formation of tumors, including hereditary paraganglioma. Transmission of disease occurs almost exclusively through the paternal allele, suggesting that this locus may be maternally imprinted. There are pseudogenes for this gene on chromosomes 1, 2, 3, 7, and 18. Alternative splicing results in multiple transcript variants.
Function	Membrane-anchoring subunit of succinate dehydrogenase (SDH) that is involved in complex II of the mitochondrial electron transport chain and is responsible for transferring electrons from succinate to ubiquinone.
Calculated Mw	17 kDa
Cellular Localization	Membrane, Mitochondrion, Mitochondrion inner membrane

Images



ARG44023 anti-SDHD antibody ICC/IF image

Immunofluorescence: EL4 stained with ARG44023 anti-SDHD antibody at 20 $\mu\text{g}/\text{mL}$ dilution.



ARG44023 anti-SDHD antibody WB image

Western blot: EL4 stained with ARG44023 anti-SDHD antibody at 2 $\mu\text{g}/\text{mL}$ dilution.