

## Anti-SDHA Antibody Picoband® PE Conjugated

Catalog Number: PA1717-PE

### About SDHA

SDHA (Succinate dehydrogenase complex, subunit a, flavoprotein), also called SDH1, HOMOLOG OF, is a protein that in humans is encoded by the SDHA gene. The SDHA gene is mapped on 5p15.33. The SDHA gene is highly polymorphic. The gene that codes for the SDHA protein is nuclear, even though the protein is located in the inner membrane of the mitochondria. Heterozygous carriers of an SDHA mutation do not develop paragangliomas as has been seen for mutations in the other subunits. In vitro functional expression studies in the yeast homolog showed that the mutation resulted in a loss of SDH activity and rendered the mutant SDHA protein more susceptible to proteolysis. The findings indicated that SDHA, like other SDH subunits, can act as a tumor suppressor gene.

### Overview

Product Name	Anti-SDHA Antibody Picoband® PE Conjugated
Reactive Species	Human, Mouse, Rat
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P31040

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human SDHA, identical to the related rat and mouse sequences.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	PE Excitation Wavelength: 566 nm Emission Wavelength: 574 nm

Suggested Dilutions

Flow Cytometry, Optimal dilutions should be determined by end users.

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Anti-SDHA Antibody - PE

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