

Complex II subunit 30 kDa Ip monoclonal antibody

Catalog no. 459230

(See product label for lot information)

Product Description

100 µg monoclonal antibody

Clone/PAD: 21A11AE7
Isotype: Mouse IgG2a, k
Qty: 100 µg

Concentration

1 mg/mL in Hepes-Buffered Saline (HBS)
with 0.02% azide as a preservative.

mAb Purity

Near homogeneity as judged by SDS-PAGE. The antibody was produced *in vitro* using hybridomas grown in serum-free medium, and then purified by biochemical fractionation.

Application

See www.invitrogen.com/antibodies for protocols
For use in Western blotting and
Immunocytochemistry .

5 µg/mL for Western blotting
5 µg/mL for Immunocytochemistry

Other applications are not tested.

Reactivity

This product had been directly tested for reactivity with human, bovine, rat, mouse, and zebrafish.

Immunogen

Bovine Heart Complex II, with traces of Complex III.

Storage

Store at 4°C. Do not freeze.

Expiration Date

See the product label.

Background

Complex II is also called succinate ubiquinone oxidoreductase or more commonly succinate dehydrogenase complex. This complex is composed of four nuclear encoded subunits and contains a flavin (FAD), non-heme iron centers and a b-type cytochrome as prosthetic groups. It is both a component of the electron transport chain and an enzyme of the Krebs cycle. Complex II deficiencies are seen in OXPHOS genetic disease and found in a type of cancer called paraganglioma.

Explanation of symbols

Symbol	Description	Symbol	Description
	Catalogue Number		Batch code
	Research Use Only		<i>In vitro</i> diagnostic medical device
	Use by		Temperature limitation
	Manufacturer		European Community authorised representative
	Without, does not contain		With, contains
	Protect from light		Consult accompanying documents
	Directs the user to consult instructions for use (IFU), accompanying the product.		

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