

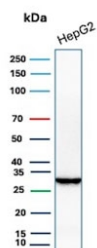
## Recombinant Succinate dehydrogenase B Antibody / SDHB [clone SDHB/8974R] (V4680)

Catalog No.	Formulation	Size
V4680-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4680-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4680SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

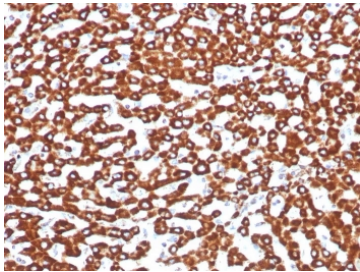
Recombinant **RABBIT MONOCLONAL**

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Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	SDHB/8974R
Purity	Protein A/G affinity
UniProt	P21912
Localization	Cytoplasm (Mitochondria)
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT Western Blot : 2-4ug/ml
Limitations	This Succinate dehydrogenase B antibody is available for research use only.



Western blot testing of human HepG2 cell lysate with Succinate dehydrogenase B antibody. Predicted molecular weight 25-32 kDa.



IHC staining of FFPE human hepatocellular carcinoma tissue with Succinate dehydrogenase B antibody (clone SDHB/8974R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

## Description

Succinate dehydrogenase B (SDHB) is an iron-sulfur subunit of mitochondrial complex II, a key component of the citric acid cycle and the electron transport chain, a respiratory complex that catalyzes the oxidation of succinate in the mitochondrial membrane. Many cancers are generally positive for SDHB, including renal cell carcinomas and gastrointestinal stromal tumors. A subset of RCC and GIST tumors that are associated with SDH mutations, Carney-Stratakis Syndrome or Carney Triad exhibit a loss of SDHB expression.

## Application Notes

Optimal dilution of the Succinate dehydrogenase B antibody should be determined by the researcher.

## Immunogen

A synthetic peptide corresponding to human SDHB protein was used as the immunogen for the Succinate dehydrogenase B antibody.

## Storage

Aliquot the Succinate dehydrogenase B antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.