

### Anti-SDHB antibody ab39988

#### 1 图像

#### 概述

产品名称	Anti-SDHB抗体
描述	山羊多克隆抗体to SDHB
宿主	Goat
经测试应用	适用于: WB, ELISA
种属反应性	与反应: Human
免疫原	Synthetic peptide: ATYKEKKASV , corresponding to C terminal amino acids 271/280 of Human SDHB <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
阳性对照	Human Liver lysate

#### 性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: Tris buffered saline, 0.5% BSA
纯度	Immunogen affinity purified
纯化说明	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide
克隆	多克隆
同种型	IgG

#### 应用

**The Abpromise guarantee** **Abpromise™**承诺保证使用ab39988于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		
ELISA		

#### 应用说明

ELISA: Use at an assay dependent dilution. Antibody detection limit dilution 1:8,000  
 WB: Use at a concentration of 0.03 - 0.1 µg/ml. Detects a band of approximately 28 kDa.  
 (predicted molecular weight: 32 kDa).

Not yet tested in other applications.  
 Optimal dilutions/concentrations should be determined by the end user.

#### 靶标

#### 功能

Iron-sulfur protein (IP) 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 (coenzyme Q).

#### 通路

Carbohydrate metabolism; tricarboxylic acid cycle; fumarate from succinate (eukaryal route): step 1/1.

#### 疾病相关

Defects in SDHB are a cause of susceptibility to pheochromocytoma (PCC) [MIM:171300]. A catecholamine-producing tumor of chromaffin tissue of the adrenal medulla or sympathetic paraganglia. The cardinal symptom, reflecting the increased secretion of epinephrine and norepinephrine, is hypertension, which may be persistent or intermittent.

Defects in SDHB are the cause of hereditary paragangliomas type 4 (PGL4) [MIM:115310]; also known as familial non-chromaffin paragangliomas type 4. Paragangliomas refer to rare and mostly benign tumors that arise from any component of the neuroendocrine system. PGL4 is characterized by the development of mostly benign, highly vascular, slow growing tumors in the head and neck. In the head and neck region, the carotid body is the largest of all paraganglia and is also the most common site of the tumors.

Defects in SDHB are a cause of paraganglioma and gastric stromal sarcoma (PGSS) [MIM:606864]; also called Carney-Stratakis syndrome. Gastrointestinal stromal tumors may be sporadic or inherited in an autosomal dominant manner, alone or as a component of a syndrome associated with other tumors, such as in the context of neurofibromatosis type 1 (NF1). Patients have both gastrointestinal stromal tumors and paragangliomas. Susceptibility to the tumors was inherited in an apparently autosomal dominant manner, with incomplete penetrance.

Defects in SDHB are a cause of Cowden-like syndrome (CWDLS) [MIM:612359]. Cowden-like syndrome is a cancer predisposition syndrome associated with elevated risk for tumors of the breast, thyroid, kidney and uterus.

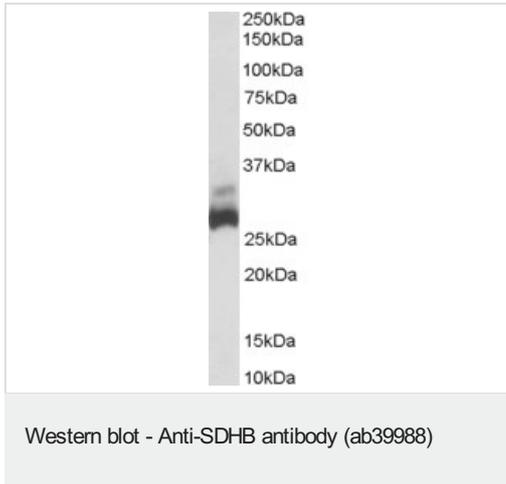
#### 序列相似性

Belongs to the succinate dehydrogenase/fumarate reductase iron-sulfur protein family.  
 Contains 1 2Fe-2S ferredoxin-type domain.  
 Contains 1 4Fe-4S ferredoxin-type domain.

#### 细胞定位

Mitochondrion inner membrane.

#### 图片



Anti-SDHB antibody (ab39988) at 0.003 µg/ml (for 1 hour) + Human Liver lysate in RIPA buffer at 35 µg

Developed using the ECL technique.

**Predicted band size:** 32 kDa

**Observed band size:** 28 kDa

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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