abcam

Product datasheet

# Anti-SDHD antibody ab189945

★★★★★ 1 Abreviews 5 References 2 图像

## 概述

| | |
|---|---|
| **产品名称** | Anti-SDHD抗体 |
| **描述** | **兔多克隆抗体**to SDHD |
| **宿主** | Rabbit |
| **特异性** | ab189945 will detect three isoforms of SDHD. |
| **经测试应用** | **适用于:** WB, IHC-P |
| **种属反应性** | **与反应:** Mouse, Human |
| **免疫原** | Synthetic peptide within Human SDHD (internal sequence). The exact sequence is proprietary. NCBI Accession No. NP_002993.1. The synthetic peptide corresponds to 15 amino acids. Database link: **O14521** |
| **阳性对照** | Human kidney tissue; mouse EL4 cell lysate and cells. |
| **常规说明** | The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.<br>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As |

## 性能

| | |
|---|---|
| **形式** | Liquid |
| **存放说明** | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. |
| **存储溶液** | pH: 7.4<br>Preservative: 0.02% Sodium azide<br>Constituent: 99% PBS |
| **纯度** | Immunogen affinity purified |
| **克隆** | **多克隆** |
| **同种型** | IgG |

## 应用

**The Abpromise guarantee** **Abpromise™承诺保证使用ab189945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** | ★★★★★ (1) | Use a concentration of 1 - 2 µg/ml. Predicted molecular weight: 17 kDa. |
| **IHC-P** | | Use a concentration of 2.5 µg/ml. |

## 靶标

**功能** 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 (coenzyme Q).

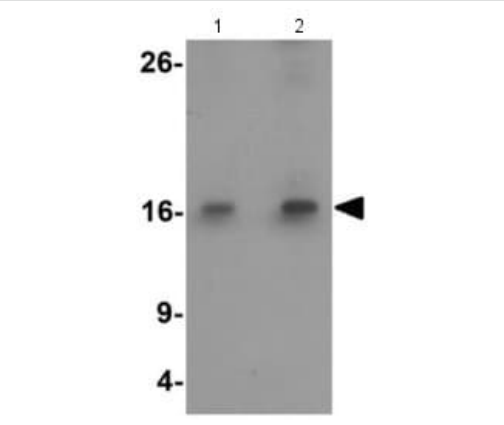
**通路** Carbohydrate metabolism; tricarboxylic acid cycle.

**疾病相关** Defects in SDHD are a cause of hereditary paragangliomas type 1 (PGL1) [MIM:168000]; also known as familial non-chromaffin paragangliomas type 1. Paragangliomas refer to rare and mostly benign tumors that arise from any component of the neuroendocrine system. PGL1 is a rare autosomal dominant disorder which is characterized by the development of mostly benign, highly vascular, slowly 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. Penetrance of PGL1 is incomplete when the disease is transmitted through fathers. No disease phenotype is transmitted maternally.
Defects in SDHD 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 SDHD may be a cause of susceptibility to intestinal carcinoid tumor (ICT) [MIM:114900]. A yellow, well-differentiated, circumscribed tumor that arises from enterochromaffin cells in the small intestine or, less frequently, in other parts of the gastrointestinal tract.
Defects in SDHD are a cause of paraganglioma and gastric stromal sarcoma (PGGSS) [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 SDHD 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 CybS family.

**细胞定位** Mitochondrion inner membrane.

## 图片

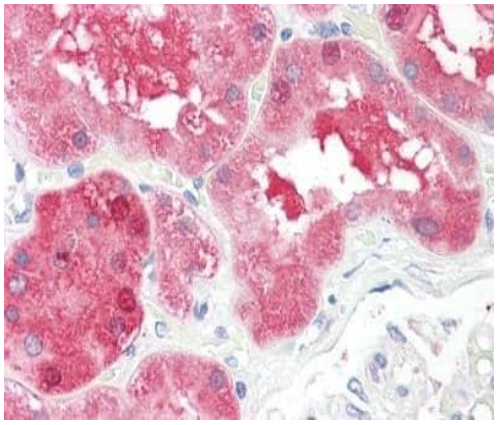



Western blot - Anti-SDHD antibody (ab189945)

**Lane 1 :** Anti-SDHD antibody (ab189945) at 1 µg/ml
**Lane 2 :** Anti-SDHD antibody (ab189945) at 2 µg/ml

**All lanes :** mouse EL4 cell lysate

**Predicted band size:** 17 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SDHD antibody (ab189945)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human kidney tissue, labeling SDHD using ab189945 at 2.5 µg/ml.



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