abcam

Product datasheet

Anti-Sorbitol Dehydrogenase antibody ab66065

1 图像

概述

产品名称	Anti-Sorbitol Dehydrogenase抗体
描述	**小鼠单克隆抗体**to Sorbitol Dehydrogenase
宿主	Mouse
经测试应用	**适用于:** WB, ELISA
种属反应性	**与反应:** Mouse, Rat, Human **预测可用于:** Cow, Chimpanzee, Cynomolgus monkey, Rhesus monkey, Orangutan
免疫原	Recombinant tagged fragment: MAAAAKPNNL SLVVHGPGDL RLENYPIPEP GPNEVLLRMH SVGICGSDVH YWEYGRIGNF IVKKPMVLGH EASGTVEKVG SSVKHLKPGD RVAIEPGAPR ENDEFCKMGR, corresponding to amino acids 1-111 of Human Sorbitol Dehydrogenase Run BLAST with ExPASy Run BLAST with NCBI
阳性对照	Hela nuclear extract.

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	Preservative: None Constituents: PBS, pH 7.2
纯度	Protein G purified
克隆	单克隆
同种型	IgG1

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab66065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

应用	Ab评论	说明
WB		
ELISA		

应用说明

ELISA: Use at an assay dependent dilution. Sandwich ELISA: The detection limit for recombinant tagged Sorbitol Dehydrogenase is approximately 0.1ng/ml as a capture antibody.
WB: Use at a concentration of 1 - 5 µg/ml. Detects a band of approximately 36 kDa (predicted molecular weight: 38 kDa).

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

靶标

功能

Converts sorbitol to fructose. Part of the polyol pathway that plays an important role in sperm physiology. May play a role in the sperm motility by providing an energetic source for sperm.

组织特异性

Expressed in kidney and epithelial cells of both benign and malignant prostate tissue. Expressed in epididymis (at protein level).

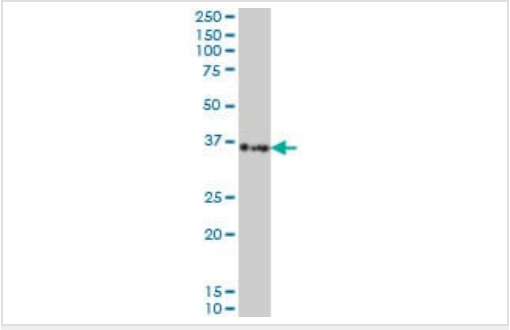
序列相似性

Belongs to the zinc-containing alcohol dehydrogenase family.

细胞定位

Mitochondrion membrane. Cell projection > cilium > flagellum. Associated with mitochondria of the midpiece and near the plasma membrane in the principal piece of the flagellum. Also found in the epididymosome, secreted by the epididymal epithelium and that transfers proteins from the epididymal fluid to the sperm surface.

图片



Western blot - Anti-Sorbitol Dehydrogenase antibody (ab66065)

Anti-Sorbitol Dehydrogenase antibody (ab66065) at 1 µg/ml +
HeLa nuclear extract at 50 µg

Secondary

Goat Anti-Mouse IgG (H&L)-HRP at 1/2500 dilution

Predicted band size: 38 kDa
Observed band size: 36 kDa

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

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