abcam

Product datasheet

Anti-SUR1 antibody ab77478

画像数 1

製品の概要

製品名	Anti-SUR1 antibody
製品の詳細	Goat polyclonal to SUR1
由来種	Goat
アプリケーション	**適用あり:** WB, ELISA
種交差性	**交差種:** Human **交差が予測される動物種:** Mouse, Rat, Guinea pig, Dog
免疫原	Synthetic peptide: EFDKPEKLLSRKD (Human) from the C terminal of the protein sequence according to NP_000343.2. Run BLAST with Run BLAST with
ポジティブ・コントロール	Human brain (cerebellum) lysates

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	Preservative: 0.02% Sodium Azide Constituents: 0.5% BSA, Tris buffered saline, pH 7.3
精製度	Immunogen affinity purified
特記事項（精製）	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

Our Abpromise guarantee covers the use of **ab77478** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
WB		
ELISA		

追加情報

Peptide ELISA: Antibody detection limit dilution 1/8000.
WB: Use at a concentration of 0.5 - 1.5 µg/ml. Detects a band of approximately 23 and 170 kDa (predicted molecular weight: 177 kDa). The 23 kDa band was successfully blocked by incubation with the immunising peptide.

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

ターゲット情報

機能

Putative subunit of the beta-cell ATP-sensitive potassium channel (KATP). Regulator of ATP-sensitive K(+) channels and insulin release.

関連疾患

Defects in ABCC8 are a cause of leucine-induced hypoglycemia (LIH) [MIM:240800]; also known as leucine-sensitive hypoglycemia of infancy. LIH is a rare cause of hypoglycemia and is described as a condition in which symptomatic hypoglycemia is provoked by high protein feedings. Hypoglycemia is also elicited by administration of oral or intravenous infusions of a single amino acid, leucine.
Defects in ABCC8 are the cause of familial hyperinsulinemic hypoglycemia type 1 (HHF1) [MIM:256450]; also known as persistent hyperinsulinemic hypoglycemia of infancy (PHHI) or congenital hyperinsulinism. HHF is the most common cause of persistent hypoglycemia in infancy and is due to defective negative feedback regulation of insulin secretion by low glucose levels. It causes nesidioblastosis, a diffuse abnormality of the pancreas in which there is extensive, often disorganized formation of new islets. Unless early and aggressive intervention is undertaken, brain damage from recurrent episodes of hypoglycemia may occur.
Defects in ABCC8 are a cause of diabetes mellitus permanent neonatal (PNDM) [MIM:606176]. PNDM is a rare form of diabetes distinct from childhood-onset autoimmune diabetes mellitus type 1. It is characterized by insulin-requiring hyperglycemia that is diagnosed within the first months of life. Permanent neonatal diabetes requires lifelong therapy.
Defects in ABCC8 are the cause of transient neonatal diabetes mellitus type 2 (TNDM2) [MIM:610374]. Neonatal diabetes is a form of diabetes mellitus defined by the onset of mild-to-severe hyperglycemia within the first months of life. Transient neonatal diabetes remits early, with a possible relapse during adolescence.

配列類似性

Belongs to the ABC transporter superfamily. ABCC family. Conjugate transporter (TC 3.A.1.208) subfamily.
Contains 2 ABC transmembrane type-1 domains.
Contains 2 ABC transporter domains.

細胞内局在

Membrane.

画像

Western blot - Anti-SUR1 antibody (ab77478)

Anti-SUR1 antibody (ab77478) at 0.5 µg/ml + human cerebellum lysate in RIPA buffer at 35 µg

Predicted band size: 177 kDa
Observed band size: 170 kDa
Additional bands at: 23 kDa. We are unsure as to the identity of these extra bands.

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