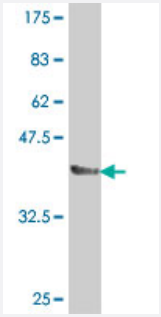
ABCC8 polyclonal antibody (A01)

Catalog # H00006833-A01 Size 50 uL

Applications



Western Blot detection against Immunogen (37.11 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant ABCC8.
Immunogen	ABCC8 (NP_000343, 611 a.a. ~ 710 a.a) partial recombinant protein with GST tag.
Sequence	SEFLSSAEIREEQCAPHEPTPQGPASKYQAVPLRVVNRKRPAREDCRGLTGPLQSLVPSADGDA DNCCVQIMGGYFTWTPDGIPTLSNITIRIPRGQLTM
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (85); Rat (85)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.11 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

  Protocol Download

- ELISA

Gene Info — ABCC8

Entrez GeneID	6833
GeneBank Accession#	NM_000352
Protein Accession#	NP_000343
Gene Name	ABCC8
Gene Alias	ABC36, HHF1, HI, HRINS, MRP8, PHHI, SUR, SUR1, TNDM2
Gene Description	ATP-binding cassette, sub-family C (CFTR/MRP), member 8
Omim ID	125853 240800 256450 600509 606176 610374
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membrane s. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the MRP subfamily which is involved in multi-drug res istance. This protein functions as a modulator of ATP-sensitive potassium channels and insulin rel ease. Mutations and deficiencies in this protein have been observed in patients with hyperinsuline mic hypoglycemia of infancy, an autosomal recessive disorder of unregulated and high insulin sec retion. Mutations have also been associated with non-insulin-dependent diabetes mellitus type II, an autosomal dominant disease of defective insulin secretion. Alternative splicing of this gene ha s been observed; however, the transcript variants have not been fully described. [provided by Ref Seq
Other Designations	ATP-binding cassette, sub-family C, member 8|sulfonylurea receptor (hyperinsulinemia)

Pathway

- ABC transporters
- Type II diabetes mellitus

Disease

- Adenocarcinoma
- Alzheimer disease
- Atherosclerosis
- Cardiovascular Diseases
- Cerebrovascular Accident
- Chronic Disease
- Diabetes
- Diabetes Complications
- Diabetes Mellitus
- Diabetic Angiopathies
- Disease Progression
- Drug Toxicity
- Edema
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Glucose Intolerance
- Glucose Metabolism Disorders
- Hypercholesterolemia
- Hyperinsulinism
- Hypoglycemia
- Insulin Resistance
- Kidney Failure
- Metabolic Syndrome X
- Neoplasms

- Obesity
- Osteoporosis
- Ovarian Failure
- Overweight
- Persistent Hyperinsulinemia Hypoglycemia of Infancy
- Polycystic Ovary Syndrome
- Puberty
- Renal Insufficiency
- Thrombophilia
- Tobacco Use Disorder
- Weight Loss
- Werner syndrome