

MaxPab®

ABCC8 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00006833-B01P

Size 500 ug

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human ABCC8 protein.
Immunogen	ABCC8 (AAI67829.1, 1 a.a. ~ 1581 a.a) full-length human protein.
Sequence	MPLAFCGSENHSAAYRVDQGVLNNGCFVDALNVVPHVFLFITFPILFIGWGSQSSKVHHHSTWL HFPGHNLRWILTFMLLFVLVCEIAEGILSDGVTESHHHLHYMPAGMAFMAAVTSVYYHNIETSNFP KLLIALLVYWTAFITKTIKFKFLDHAIGFSQLRFCLTGLLVILYGMILLVEVNVIRVRRYIFFKTPREV KPPEDLQDLGVRFLQPFVNLLSKGTYWWMNAFIKTAHKPIDLRAIGKLPIAMRALTNYQRLCEAF DAQVRKDIQGTQGARAMQALSHAFGRRLVLSSTFRILADLLGFAGPLCIFGVDHLGKENDVFQP KTQFLGVYFVSSQEFLANAYVLAVLLFLALLLQRTFLQASYVAIETGINLRGAIQTKYNKIMHLSTSN LSMGEMTAGQICNLVAIDTNQLMWFFFLCPNLWAMPVQIVGVILLYILGVSALIGA AVIILLAPVQYF VATKLSQAQRSTLEYSNERLKQTNEMLRGIKLLKLYAWENIFRTRVETTRRKEMTS LRAFAIYTSISIF MNTAIPAAVLITFVGHSFFKEADFSPSVAFASLSLFHILVTPFLSSSVVRSTVKALVSVQKLSEF LSSAEIREEQCAPHEPTPQGPASKYQAVPLRVVNRKRPAREDCRGLTGPLQSLVPSADGDADN CCVQIMGGYFTWTPDGIPTLSNITIRIPRQQLTMIVGQVCGKSSLLLAALGEMQKVSGAVFWSSLP DSEIGEDPSPERETATDLDIRKRGPVAYASQKPWLLNATVEENIIFESPFNKQRYKMVIEACSLQP DIDILPHGDQTQIGERGINLSGGQRQRISVARALYQHANVVFLDDPFSALDIHLSDHLMQAGILELLR DDKRTVVLVTHKLQYLPHADWIIAMKDGTIQREGTLKDFQRSECQLFEHWKTLMNQRDQELEKET VTERKATEPPQGLSRAMSSRDGLLQDEEEEEEEAAESEDDNLSMMLHQRAEIPWRACAKYLS SAGILLLSLLVFSQLLKHMVLVAIDYWLAKWTD SALTTPAARNCSLSQECTLDQTVYAMVFTVLC SLGIVLCLVTSVTVEWTGLKVAKRLHRSLLNRILAPMRFFETTP LGSILNRFSSDCNTIDQHIPSTLE CLSRSTLLCVSALAVISYVTPVFLVALLPLAMCYFIQKYFRVASRDLQQLDDTTQLPLL SHFAETVE GLTTIRAFRYEARFQQKLE YTDSNNIASLFLTAANRWLEVRMEYIGACVVLIAAVTSISNSLHRELS AGLVGLGLTYALMVSNYL NWMVRNLADMELQLGAVKRIHGLLKTEAESYEGLLAPSLIPKNWPDQ GKIQIQNLSVRYDSSLKPVLKHVNALIAPGQKIGICGRTGSGKSSFSLAFFRMVDTFEGHIIDGIDIAK LPLHTRSRLSII LQDPVLFSGTIRFNLDPERKCS DSTLWEALEIAQLKL VVKALPGGLDAIITEGGEN FSQGQRQLFCLARAFVRKTSIFIMDEATASIDMATENILQKVVM TAFADRTVVTIAHRVHTILSADLVI VLKRGAI LEFDKPEKLLSRKDSVFASFVRADK
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (95); Rat (96)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

Gene Info — ABCC8

Entrez GeneID

[6833](#)

GeneBank Accession#

[BC167829.1](#)

Protein Accession#

[AA167829.1](#)

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 membranes. 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 resistance. This protein functions as a modulator of ATP-sensitive potassium channels and insulin release. Mutations and deficiencies in this protein have been observed in patients with hyperinsulinemic hypoglycemia of infancy, an autosomal recessive disorder of unregulated and high insulin secretion. 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 has been observed; however, the transcript variants have not been fully described. [provided by RefSeq]

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](#)