

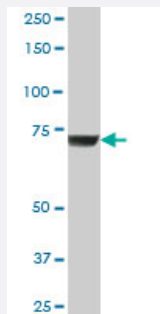
MaxPab®

GBE1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00002632-B01P

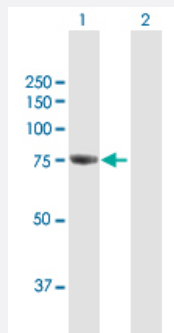
Size 50 ug

Applications



Western Blot (Tissue lysate)

GBE1 MaxPab polyclonal antibody. Western Blot analysis of GBE1 expression in human liver.



Western Blot (Transfected lysate)

Western Blot analysis of GBE1 expression in transfected 293T cell line ([H00002632-T01](#)) by GBE1 MaxPab polyclonal antibody.

Lane 1: GBE1 transfected lysate(77.22 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human GBE1 protein.

Immunogen

GBE1 (AAH12098.1, 1 a.a. ~ 702 a.a) full-length human protein.

Sequence	MAAPMTPAARPEDYEALNAALADVPELARLLEIDPYLKPYAVDFQRRYKQFSQILKNIGENEGGI DKFSRGYESFGVHRCADGGLYCKEWAPGAEGVFLTGDFNGWNPFSSYPYKKLDYGKWELYIPPK QNKSVLVPHGSKLKVVITSKSGEILYRISPWAKYVVREGDNVNYDWHWDPEHSYEFKHSRPPKP RSLRIYESHVGISSHEGKVASYKHFTCNVLPRIKGLGYNCIQLMAIMEHAYYASFGYQITSFFAASSR YGSPEELQELVDTAHSMGIVLLDVVHSHASKNSADGLNMFDDGTDSCYFHSGPRGTHDLWDSRL FAYSSWEVLRFLLSNIRWWLEEYRFDGFRFDGVTSMLYHHHGVGQGFSGDYSEYFGLQVDEDAL TYLMLANHLVHTLCPDSITIAEDVSGMPALCSPISQGGGGFDYRLAMAIPDKWIQLLKEFKDEDWN MGDIVYTLNRRYLEKCIAYAESHQALVGDKSLAFWLMDAEMYTNMSVLTPFTPVIDRGIQLHKMI RLITHGLGGEGLNFMGNEFGHPEWLDFFPRKGNNESYHYARRQFHLTDDDLLRYKFLNNFDRDM NRLEERYGWLAAPQAYVSEKHGKNIIFERAGLLFIFNFHPSKSYTDYRVGTALPGKFKMLDSDA AEYGGHQRLDHSTDFSEAFEHNGRPYSLLVYIPSRVALILQNVDLPN
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (92); Rat (92)
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 (Tissue lysate)

GBE1 MaxPab polyclonal antibody. Western Blot analysis of GBE1 expression in human liver.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of GBE1 expression in transfected 293T cell line ([H00002632-T01](#)) by GBE1 MaxPab polyclonal antibody.

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Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — GBE1

Entrez GeneID

[2632](#)

GeneBank Accession#

[BC012098.1](#)

Protein Accession#	AAH12098.1
Gene Name	GBE1
Gene Alias	GBE
Gene Description	glucan (1,4-alpha-), branching enzyme 1
Omim ID	232500 607839
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a glycogen branching enzyme that catalyzes the transfer of alpha-1,4-linked glucosyl units from the outer end of a glycogen chain to an alpha-1,6 position on the same or a neighboring glycogen chain. Branching of the chains is essential to increase the solubility of the glycogen molecule and, consequently, in reducing the osmotic pressure within cells. Highest level of this enzyme are found in liver and muscle. Mutations in this gene are associated with glycogen storage disease IV (also known as Andersen's disease). [provided by RefSeq]
Other Designations	amyl(1,4 to 1,6) transglucosidase amyl(1,4 to 1,6) transglycosylase glycogen branching enzyme glycogen storage disease type IV

Pathway

- [Metabolic pathways](#)
- [Starch and sucrose metabolism](#)

Disease

- [Asthma](#)
- [Cardiovascular Diseases](#)
- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Metabolic Diseases](#)
- [Metabolic Syndrome X](#)
- [Obesity](#)

- [Tobacco Use Disorder](#)