

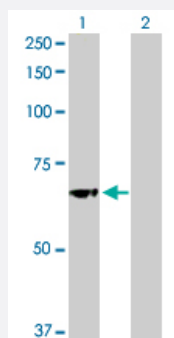
MaxPab®

GBA purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00002629-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of GBA expression in transfected 293T cell line by GBA MaxPab rabbit polyclonal antibody.

Lane 1: GBA transfected lysate(59.70 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human GBA protein.

Immunogen

GBA (AAH03356.1, 1 a.a. ~ 536 a.a) full-length human protein.

Sequence

MEFSSPSREECPKPLSRVSIAGSLTGLLLLQAVSWASGARPCIPKSFGYSSVVCVCNATYCDS
FDPPTFPALGTFSRYESTRSGRMELSMGPIQANHTGTGLLLTLQPEQKFQKVKGFGGAMTDAA
ALNILALSPPAQNLLKSYFSEEGIGYNIIRVPMASCDFSIRTYTYADTPDDFQLHNFSLPEEDTKLKI
PLIHRALQLAQRPVSLASPWTSPWLKTNGAVNGKGS�KGQPGDIHQWARYFVKFLDAYAEH
KLQFWAVTAENEPSAGLLSGYPFQCLGFTPEHQRDFIARDLGPTLANSTHHNVRLMLDDQRLLL
PHWAKVVLTDPEAAKYVHGIAVHWYLDLAPAKATLGETHRLFPNTMLFASEACVGSKFWEQSV
RLGSWDRGMQYSHSIITNLLYHVVGWTDWNLALNPEGGPNWVRNFVDSPIVDITKDTFYKQPMFY
HLGHFSKFIPEGSQRVGLVASQKNDLDAVALMHPDGSVVVVLNRSSKDVPLTIKDPAVGFLETI
SPGYSIHTYLWRRQ

Host

Rabbit

Reactivity

Human

Interspecies Antigen Sequence

Mouse (86); Rat (88)

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)

Western Blot analysis of GBA expression in transfected 293T cell line by GBA MaxPab rabbit polyclonal antibody.

Lane 1: GBA transfected lysate(59.70 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — GBA

Entrez GeneID[2629](#)**GeneBank Accession#**[NM_000157.2](#)**Protein Accession#**[AAH03356.1](#)**Gene Name**

GBA

Gene Alias

GBA1, GCB, GLUC

Gene Description

glucosidase, beta; acid (includes glucosylceramidase)

Omim ID[230800](#) [230900](#) [231000](#) [231005](#) [606463](#) [608013](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene encodes a lysosomal membrane protein that cleaves the beta-glucosidic linkage of glycosylceramide, an intermediate in glycolipid metabolism. Mutations in this gene cause Gaucher disease, a lysosomal storage disease characterized by an accumulation of glucocerebrosides. A related pseudogene is approximately 12 kb downstream of this gene on chromosome 1. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq]

Other Designations

D-glucosyl-N-acylsphingosine glucosylhydrolase|OTTHUMP00000033992|OTTHUMP00000033993|glucocerebrosidase|glucocerebrosidase (alt.)|lysosomal glucocerebrosidase

Publication Reference

- [Glucocerebrosidase is imported into mitochondria and preserves complex I integrity and energy metabolism.](#)

Pascale Baden, Maria Jose Perez, Hariam Raji, Federico Bertoli, Stefanie Kalb, María Illescas, Fokion Spanos, Claudio Giuliano, Alessandra Maria Calogero, Marvin Oldrati, Hannah Hebestreit, Graziella Cappelletti, Kathrin Brockmann, Thomas Gasser, Anthony H. V. Schapira, Cristina Ugalde, Michela Deleidi.

Nature Communications 2023 Apr; 14(1):1930.

Application: IP, Human, Human induced pluripotent stem cells

Pathway

- [Lysosome](#)
- [Metabolic pathways](#)
- [Other glycan degradation](#)
- [Sphingolipid metabolism](#)

Disease

- [Alzheimer disease](#)
- [Bone Diseases](#)
- [Cardiovascular Diseases](#)
- [Cognition Disorders](#)
- [Cystic fibrosis](#)
- [Deafness](#)
- [Dementia](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Epilepsy](#)
- [Essential tremor](#)
- [Gaucher disease](#)

- [Genetic Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Hypergammaglobulinemia](#)
- [Hypertension](#)
- [Lewy Body Disease](#)
- [Multiple Myeloma](#)
- [Multiple System Atrophy](#)
- [Neoplasms](#)
- [Nervous System Diseases](#)
- [Neuropsychological Tests](#)
- [Parkinson disease](#)
- [Parkinsonian Disorders](#)
- [Postmortem Changes](#)
- [Supranuclear Palsy](#)