

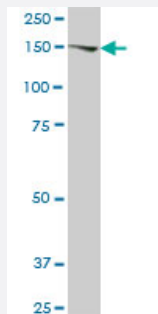
MaxPab®

AGL purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00000178-B01P

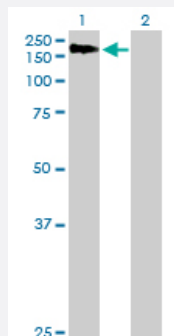
Size 50 ug

Applications



Western Blot (Tissue lysate)

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



Western Blot (Transfected lysate)

Western Blot analysis of AGL expression in transfected 293T cell line ([H00000178-T01](#)) by AGL MaxPab polyclonal antibody.

Lane 1: AGL transfected lysate(168.52 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

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

Immunogen

AGL (NP_000019.2, 1 a.a. ~ 1532 a.a) full-length human protein.

Sequence

MGHSKQIRILLNEMEKLEKTLFRLEQGYELQFRLGPTLQGKAVTVYTNYPFPGETFNREKFRSLD
WENPTEREDDSDKYCKLNLQQSGSFQYYFLQGNEKSGGGYVVDPIRVGADNHVLPDLCVTLQT
FLAKCLGPFDEWESRLRVAKESGYNMIHFTPLQTLGLSRSCYSLANQLELNPDFSRLPNRKYTNW
DVGQLVEKLKKEWNVICITDVVYNHTAANSKWQEHPECAYNLVNSPHLKPWWLDRLWRFSC
DVAEGKYKEKGIPALIENDHMHNSIRKIWEDIFPKLKLWEFFQVDVNKAWEQFRLLTQENRRVTK
SDPNQHLLTIQDPEYRRFGCTVDMNIALTTFIPHDKGPAIEECNWFHKRMEELNSEKHRLINYHQ
EQAVNCLLGNVYERLAGHGPKLGPVTRKHPLVTRYFTFPFEEIDFSMEESMIHLPNKACFLMAH
NGWVMGDDPLRNFAEPGSEVYLRRELICWGDSVKLRYGNKPEDCPYLWAHMKKYTEITATYFQG
VRLDNCHSTPLHVAEYMLDAARNLQPNLYVVAELFTGSELDNVFVTRLGISSLIREAMSAYNSHE
EGRLVYRYGGEPVGSFVQPCRPLMPAIAHALFMDITHDNECPVHRSAYDALPSTTIVSMACCAS
GSTRGYDELVPHQISVVSEERFYTKWNPEALPSNTGEVNFQSGIAARCAISKLHQELGAKGFIQVY
VDQVDEDVAVTRHSPSIHQSVVAVSRTAFRNPKTSFYSKYVPMQICPGKIEEVVLEARTIERNTKP
YRKDENSINGTPDITVEIREHIQLNESKVKQAGVATKGPNEYIQEIEFENLSPGSVIIFRVSLDPHAQV
AVGILRNHLTQFSPHFKSGSLAVDNADPILKIPFASLASRLTLAELNQILYRCESEEKEDGGGCYDIP
NWSALKYAGLQGLMSVLAERPKNDLGHPFCNNLRSGDWMIDYVSNRLISRSGTIAEVGKWLQAM
FFYLKQIPRYLPCYFDAILGAYTTLLDTAWKQMSSSFVQNGSTFVKHLSLGSVQLCGVGKFPSPIL
SPALMDVPYRLNEITKEKEQCCVSLAAGLPHFSSGIFRCWGRDTFIALRGILLITGRYVEARNILFA
GTLRHGLIPNLLGEGYARYNCRDAVWWWLQCIQDYCKMVPNGLDILKCPVSRMYPTDDSAPLPA
GTLDQPLFEVIQEQAMQKHMQGIQFRERNAGPQIDRNMKDEGFNITAGVDEETGFVYGGNRFNCGT
WMDKMGESDRARNRGIPATPRDGSVEVGLSKSAVRWLELSKKNIFPYHEVTVKRHGKAIVS
YDEWNRKIQDNFEKLFHVSEDPDLNEKHPLVHKRGYKDSYGASSPWCDYQLRPNFTIAMVVA
PELFTTEKAWKALEIAEKKLLGPLGMKTLDPDDMVYCGYDNALDNDNYNLAKGFNYHQGPWL
WPIGYFLRAKLYFSRLMGPETTAKTIVLKNVLSRHYVHLERSPWKGLPELTNENAYQYCPFCSETQ
AWSIATILETLYDL

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.

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[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of AGL expression in transfected 293T cell line ([H00000178-T01](#)) by AGL MaxPab polyclonal antibody.

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[Protocol Download](#)

Gene Info — AGL

Entrez GeneID [178](#)

GeneBank Accession# [BC078663.1](#)

Protein Accession# [NP_000019.2](#)

Gene Name AGL

Gene Alias GDE

Gene Description amylo-1, 6-glucosidase, 4-alpha-glucanotransferase

Omim ID [232400 610860](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes the glycogen debrancher enzyme which is involved in glycogen degradation. This enzyme has two independent catalytic activities which occur at different sites on the protein: a 4-alpha-glucotransferase activity and a amylo-1,6-glucosidase activity. Mutations in this gene are associated with glycogen storage disease although a wide range of enzymatic and clinical variability occurs which may be due to tissue-specific alternative splicing. Alternatively spliced transcripts encoding different isoforms have been described. [provided by RefSeq]

Other Designations OTTHUMP00000012500|OTTHUMP00000012501|OTTHUMP00000012502|OTTHUMP00000012503|OTTHUMP00000012504|OTTHUMP00000012505|glycogen debranching enzyme

Pathway

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

Disease

- [Glycogen Storage Disease Type III](#)
- [Tobacco Use Disorder](#)