

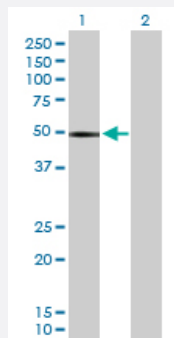
MaxPab®

CHIT1 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00001118-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of CHIT1 expression in transfected 293T cell line ([H00001118-T02](#)) by CHIT1 MaxPab polyclonal antibody.

Lane 1: CHIT1 transfected lysate(51.70 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human CHIT1 protein.

Immunogen

CHIT1 (AAI03696.1, 1 a.a. ~ 466 a.a) full-length human protein.

Sequence

MVRSVAWAGFMVLLMIPWGSAAKLVCYFTNWAQYRQGEARFLPKDLDPSTLTHLYAFAGMTNH
QLSTTEWNDETLYQEFNGLKKMNPKLKTLLAIGGWNFSTQKFTDMVATANNRQTFVNSAIRFLRKY
SFDGLDLWEYPGSQGSPAVDKERFTTLVQDLANAFQQAQTSQGERLLLSAAVPAGQTYVDA
GYEVDKIAQNLDVNLMAFYDFHGSWEKVTGHNSPLYKRQEESSGAAASLNVDAAVQQWLQKGTP
ASKLILGMPTYGRSFTLASSSDTRVGAPATGSGTPGPFTKEGGMLAYEVCWKGATKQRIQDQK
VPYIFRDNQWVGFDVESFKTKVSYLKQKGLGGAMVWALDLDDFAGFSCNQGRYPLIQTLRQEL
SLPYLPSGTPELEVPKPGQPSEPEHGPSPGQDTFCQKGADGLYPNPRERSSFYSCAGGRLFQQ
SCPTGLVFSNSCKCCTWN

Host

Rabbit

Reactivity

Human

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](#)

Gene Info — CHIT1

Entrez GeneID [1118](#)

GeneBank Accession# [BC103695.1](#)

Protein Accession# [AA03696.1](#)

Gene Name CHIT1

Gene Alias CHI3, CHIT, FLJ00314, MGC125322

Gene Description chitinase 1 (chitotriosidase)

Omim ID [600031](#)

Gene Ontology [Hyperlink](#)

Gene Summary Chitotriosidase is secreted by activated human macrophages and is markedly elevated in plasma of Gaucher disease patients. The expression of chitotriosidase occurs only at a late stage of differentiation of monocytes to activated macrophages in culture. Human macrophages can synthesize a functional chitotriosidase, a highly conserved enzyme with a strongly regulated expression. This enzyme may play a role in the degradation of chitin-containing pathogens. [provided by RefSeq]

Other Designations chitotriosidase|plasma methylumbelliferyl tetra-N-acetylchitotetraoside hydrolase

Pathway

- [Amino sugar and nucleotide sugar metabolism](#)

Disease

- [Acute Disease](#)
- [Asthma](#)
- [Candidiasis](#)
- [Cardiovascular Diseases](#)
- [Chronic Disease](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Elephantiasis](#)
- [Genetic Predisposition to Disease](#)
- [Gram-Negative Bacterial Infections](#)
- [Hypersensitivity](#)
- [Hypertension](#)
- [Leukemia](#)
- [Malaria](#)
- [Sepsis](#)
- [Tuberculosis](#)