

DNAxPAb

Hard-to-Find
Antibody

CHIT1 DNAxPab

Catalog # H00001118-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human CHIT1 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MVRSVAWAGFMVLLMIPWGSAAKLVCYFTNWAQYRQGGEARFLPKDLDPSLCTHLYAFAGMTNH QLSTTEWNETLYQEFNGLKKMNPKLKTLLAIGGWNFSTQKFTDMVATANNRQTFVNSAIRFLRKY SFDGLDLWEYPGSQGSPAVDKERFTTLVQDLANAFQQEAQTSGKERLLLSAAVPAGQTYVDA GYEVDKIAQNLD FVNL MAYDFHGSWEKVTGHNSPLYKRQEESGAAASLNVDAAVQQWLQKGTP ASKLILGMPTYGRSFTLASSDTRVGAPATGSGTPGPF TKEGGMLAYYEVC SWKGATKQRIQDQK VPYIFRDNQWVGFDVESFKTKVSYLKQKGLGGAMVWALDLD DFAGFSCNQGRYPLIQTLRQEL SLPYLPSGTPELEV PKPGQPSEPEHGPSPGQD TFCQ GKADGLYPNPRERSSFYSCAGGR LFQQ SCPTGLVFSNSCKCCTWN
Host	Rabbit
Reactivity	Human
Purification	Protein A
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](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — CHIT1

Entrez GeneID [1118](#)

GeneBank Accession# [BC103695.1](#)

Protein Accession# [AAI03696.1](#)

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](#)