

Goat anti-CHIT1 (aa409-423) Antibody

Item Number	dAP-2534
Target Molecule	Principle Name: CHIT1 (aa409-423); Official Symbol: CHIT1; All Names and Symbols: CHIT1; chitinase 1 (chitotriosidase); CHI3; CHIT; FLJ00314; MGC125322; OTTHUMP00000217083; OTTHUMP00000217084; OTTHUMP00000217085; chitinase-1; chitotriosidase-1; plasma methylumbelliferyl tetra-N-acetylchitotetraoside hydrolase; Accession Number (s): NP_003456.1; Human Gene ID(s): 1118; Non-Human GeneID(s):
Immunogen	EHGPSPGQDTFCQGK, is from internal region (near C Terminus)
Applications	Pep ELISA, WB Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 2000.
Western Blot	Western Blot: Approx 48kDa band observed in lysates of cell line Daudi (calculated MW of 51.7kDa according to NP_003456.1). Recommended concentration: 1-3µg/ml.
IHC	
Reference	Reference(s): Chien YH, Lee NC, Tsai FJ, Chao MC, Hwu WL. Reduction in imiglucerase dosage causes immediate rise of chitotriosidase activity in patients with Gaucher disease. Mol Genet Metab. 2010 Sep;101(1):90-1.. PMID: 20580583->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**