

Rabbit anti-Human CHIT1 Polyclonal Antibody | anti-CHIT1 antibody

CHIT1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA310364	Rabbit	Human	Immunohistochemistry, Western Blot

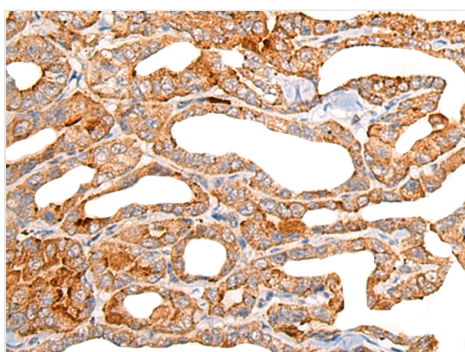
PRODUCT SYNONYMS

CHIT1; Polyclonal Antibody; CHIT1 Antibody; CHI3; CHIT; CHITD; anti-CHIT1 antibody

PRODUCT SPECIFICATIONS

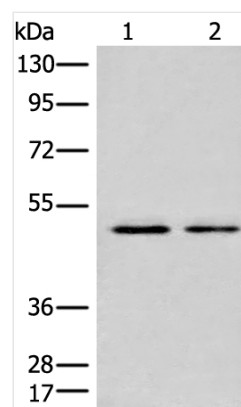
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	The antibody detects endogenous levels of total CHIT1 protein.
Purity/Purification	Antigen affinity purification
Form/Format	In pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Concentration	0.8mg/ml (varies by lot)
Sequence Length	1545
Applicable Applications for anti-CHIT1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Synthetic protein corresponding to residues near the C terminal of human CHIT1
Immunogen Type	Peptide
Preparation and Storage	Store at -20 degree C.

IMAGES



IHC (Immunohistochemistry)

The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using 46490(CHIT1 Antibody) at dilution 1/30, on the right is treated with fusion protein. (Original magnification: x200)



SDS-PAGE

Gel: 8%SDS-PAGE lysate: 40 µg, Lane 1-2: Human lung tissue and Human spleen tissue lysates, Primary antibody: 46490E(CHIT1 Antibody) at dilution 1/350 Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution, Exposure time: 1 minute

ADDITIONAL INFORMATION

Related Product Information for anti-CHIT1 antibody	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. Several alternatively spliced transcript variants have been described for this gene.
Product Categories/Family for anti-CHIT1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	73909054
NCBI GeneID	1118
UniProt Accession #	Q13231; Q0VGG5; Q0VGG6; Q3ZAR1; Q6ISC2; Q9H3V8; Q9UDJ8; B3KNW6; J3KN09
Molecular Weight	52 kDa
NCBI Official Full Name	Homo sapiens chitinase 1 (chitotriosidase), mRNA
NCBI Official Synonym Full Names	chitinase 1
NCBI Official Symbol	CHIT1
NCBI Official Synonym Symbols	CHI3; CHIT; CHITD
NCBI Protein Information	chitotriosidase-1
UniProt Protein Name	Chitotriosidase-1
UniProt Gene Name	CHIT1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/chit1-antibody-immunohistochemistry-western-blot-elisa/310364>