

CHIT1 Rabbit pAb

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Catalog # AP55339

Product Information

Application	WB
Primary Accession	Q13231
Reactivity	Rat
Predicted	Pig, Human, Mouse, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	51681
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CHIT1
Epitope Specificity	201-300/466
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Secreted. Lysosome. A small proportion is lysosomal.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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. [provided by RefSeq, Jan 2012]

Additional Information

Gene ID	1118
Other Names	Chitotriosidase-1, 3.2.1.14, Chitinase-1, CHIT1
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

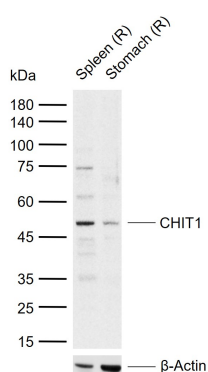
Protein Information

Name	CHIT1
Function	Degrades chitin, chitotriose and chitobiose. May participate in the defense against nematodes and other pathogens. Isoform 3 has no enzymatic activity.
Cellular Location	Secreted. Lysosome. Note=A small proportion is lysosomal
Tissue Location	Detected in spleen. Secreted by cultured macrophages.

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Images



Sample:

Lane 1: Rat Spleen tissue lysates

Lane 2: Rat Stomach tissue lysates

Primary: Anti-CHIT1 (AP55339) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 49 kDa

Observed band size: 50 kDa

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