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ENASE Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5630

Product Information

Application	FC, IHC-P, WB
Primary Accession	Q8NFI3
Other Accession	Q8BX80
Reactivity	Human, Mouse
Predicted	Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	83987
Isotype	Rabbit IgG
Antigen Source	HUMAN

Additional Information

Gene ID	64772
Antigen Region	326-354
Other Names	Cytosolic endo-beta-N-acetylglucosaminidase, ENGase, ENGASE
Dilution	FC~~1:10~50 IHC-P~~1:100~500 WB~~0.25
Target/Specificity	This ENASE antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 326-354 amino acids from the Central region of human ENASE.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ENASE Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ENGASE
Function	Endoglycosidase that releases N-glycans from glycoproteins by cleaving the beta-1,4-glycosidic bond in the N,N'-diacetylchitobiose core. Involved in the

processing of free oligosaccharides in the cytosol.

Cellular Location Cytoplasm, cytosol.

Tissue Location Widely expressed. Expressed at higher level in thymus and spleen.

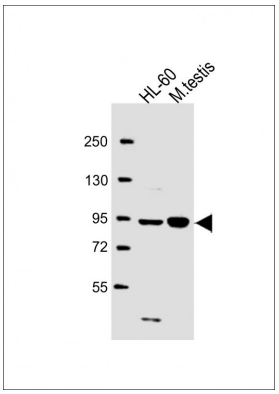
Background

Endo-beta-N-acetylglucosaminidase (ENGase; EC 3.2.1.96) is involved in the processing of free oligosaccharides in the cytosol.

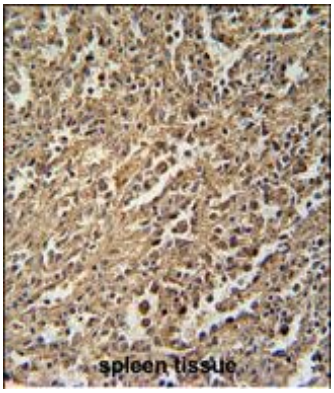
References

Park, K., et al. Diabetes 59(7):1845-1850(2010)
Dorfmueller, H.C., et al. FEBS Lett. 584(4):694-700(2010)
Chantret, I., et al. PLoS ONE 5 (7), E11734 (2010) :
Butkinaree, C., et al. J. Biol. Chem. 283(35):23557-23566(2008)
Ortutay, Z., et al. Arthritis Rheum. 48(8):2163-2172(2003)

Images

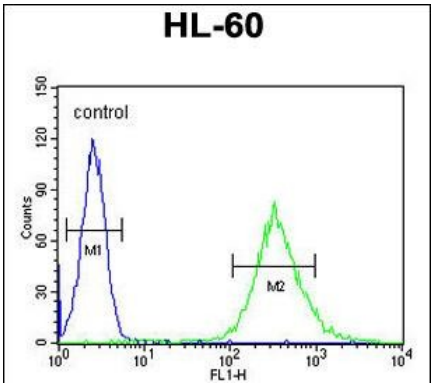


All lanes : Anti-ENASE Antibody (Center) at 1:2000 dilution Lane 1: HL-60 whole cell lysate Lane 2: mouse testis lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 84 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



ENASE Antibody (Center) (Cat. #AW5630) immunohistochemistry analysis in formalin fixed and paraffin embedded human spleen tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ENASE Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

ENASE Antibody (Center) (Cat. #AW5630) flow cytometric analysis of HL-60 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.