

For Research Use Only

# ENGASE Polyclonal antibody

Catalog Number: 31784-1-AP



## Basic Information

Catalog Number:	31784-1-AP	GenBank Accession Number:	NM_001042573	Purification Method:	Antigen affinity Purification
Size:	150ul, Concentration: 500 ug/ml by Nanodrop;	GenID (NCBI):	64772	Recommended Dilutions:	IHC 1:50-1:500 IF/ICC 1:200-1:800
Source:	Rabbit	UNIPROT ID:	Q8NF13		
Isotype:	IgG	Full Name:	endo-beta-N-acetylglucosaminidase		
Immunogen Catalog Number:	AG34633	Calculated MW:	84 kDa		

## Applications

Tested Applications:	IHC, IF/ICC, ELISA	Positive Controls:	
Species Specificity:	human, mouse	IHC :	mouse spleen tissue, mouse thymus tissue
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>			IF/ICC : U-251 cells,

## Background Information

Endo- $\beta$ -N-acetylglucosaminidase (ENGASE) is an enzyme that belongs to glycoside hydrolase (GH) families 18 and 85, and is widely distributed in bacteria, fungi, and higher-order species. ENGASE hydrolyzes the  $\beta$ 1-4 linkage of the N, N-diacylchitobiose (GlcNAc $\beta$ 1-4GlcNAc) region of the N-linked glycans present on glycoproteins (PMID: 36435009). ENGASE is widely expressed, with higher expression in thymus and spleen (Refer to Uniprot).

## Storage

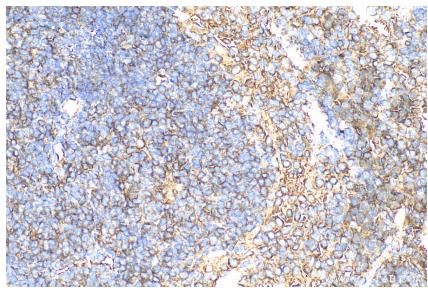
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

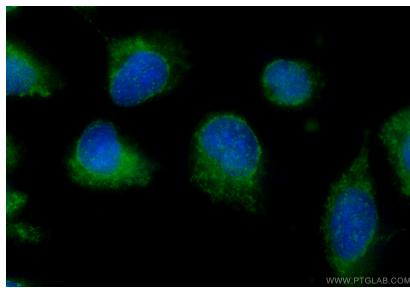
For technical support and original validation data for this product please contact:  
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free  
in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 31784-1-AP (ENGASE antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed U-251 cells using ENGASE antibody (31784-1-AP) at dilution of 1:400 and Multi-Ab Coralite ® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).