

For Research Use Only

ALG14 Polyclonal antibody

Catalog Number: 16207-1-AP



Basic Information

Catalog Number: 16207-1-AP	GenBank Accession Number: BC011706	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop and 127 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 199857	Recommended Dilutions: IHC 1:50-1:500 IF/ICC 1:200-1:800
Source: Rabbit	UNIPROT ID: Q96F25	
Isotype: IgG	Full Name: asparagine-linked glycosylation 14 homolog (S. cerevisiae)	
Immunogen Catalog Number: AG9178	Calculated MW: 216 aa, 24 kDa	

Applications

Tested Applications: IHC, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, mouse	IHC : mouse kidney tissue, IF/ICC : A431 cells,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

ALG14 (UDP-N-Acetylglucosaminyltransferase Subunit ALG14 Homolog) is a protein involved in the process of N-linked glycosylation, which is essential for protein folding and stability. ALG14 forms a heterodimeric UDP-N-acetylglucosamine transferase (GnTase) with ALG13, which catalyzes a key step in the synthesis of the lipid-linked oligosaccharide (LLO) precursor during N-linked glycosylation (PMID: 36200043).

Storage

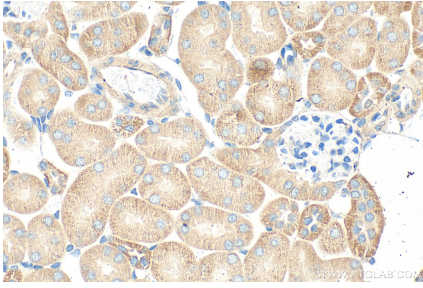
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

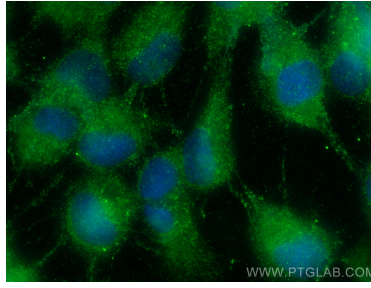
For technical support and original validation data for this product please contact:
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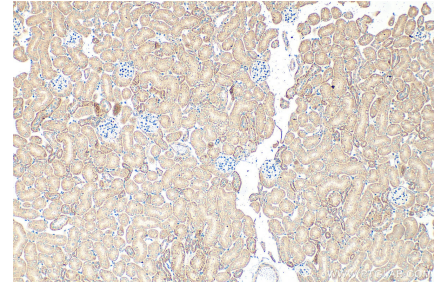
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 16207-1-AP (ALG14 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 Methanol) fixed A431 cells using ALG14 antibody (16207-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 16207-1-AP (ALG14 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).