

Summary

Production Name	Golgin 45 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ELISA
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	BLZF1
Alternative Names	BLZF1; JEM1; Golgin-45; Basic leucine zipper nuclear factor 1; JEM-1; p45 basic leucine-zipper nuclear factor
Gene ID	8548.0
SwissProt ID	Q9H2G9.The antiserum was produced against synthesized peptide derived from human BLZF1. AA range:10-59

Application

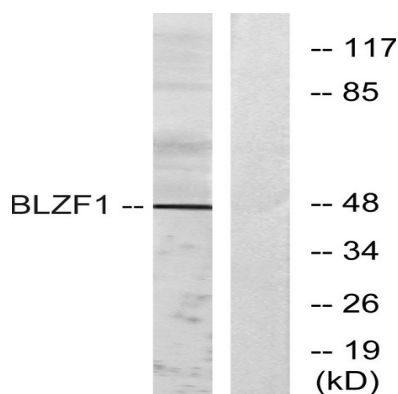
Dilution Ratio	WB 1:500 - 1:2000. IHC 1:100 - 1:300. . ELISA: 1:20000. Not yet tested in other applications.
Molecular Weight	47kD

Background

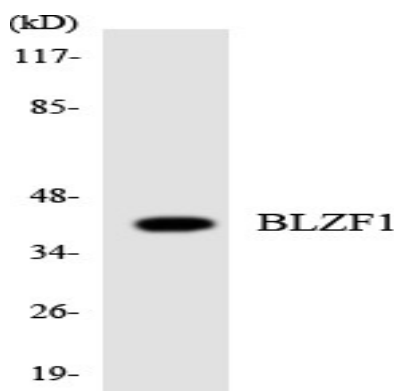
caution:Because of the presence of a potential basic motif and leucine-zipper domain, PubMed:9129147 and PubMed:11056056 have thought that BLZF1 is a potential transcription factor. They found it localized in the nucleus, except isoform 2, which was cytoplasmic. However, homology at several typical position for basic or hydrophobic residues is missing.,function:Required for normal Golgi structure and for protein transport from the endoplasmic reticulum (ER) through the Golgi apparatus to the cell surface.,induction:Up-regulated by retinoids.,subunit:Interacts with GORASP2 and with the GTP-bound form of RAB2, but not with other Golgi Rab proteins. GORASP2 and BLZF1 form a RAB2 effector complex on medial Golgi.,tissue specificity:Ubiquitous. Also found in cell lines derived from several hematopoietic pathologies, such as T-cell leukemia, pro-B, pre-B, myeloma, and plasmacytoma cell lines, but not in Burkitt lymphoma cells.,caution:Because of the presence of a potential basic motif and leucine-zipper domain, PubMed:9129147 and PubMed:11056056 have thought that BLZF1 is a potential transcription factor. They found it localized in the nucleus, except isoform 2, which was cytoplasmic. However, homology at several typical position for basic or hydrophobic residues is missing.,function:Required for normal Golgi structure and for protein transport from the endoplasmic reticulum (ER) through the Golgi apparatus to the cell surface.,induction:Up-regulated by retinoids.,subunit:Interacts with GORASP2 and with the GTP-bound form of RAB2, but not with other Golgi Rab proteins. GORASP2 and BLZF1 form a RAB2 effector complex on medial Golgi.,tissue specificity:Ubiquitous. Also found in cell lines derived from several hematopoietic pathologies, such as T-cell leukemia, pro-B, pre-B, myeloma, and plasmacytoma cell lines, but not in Burkitt lymphoma cells.,

Research Area

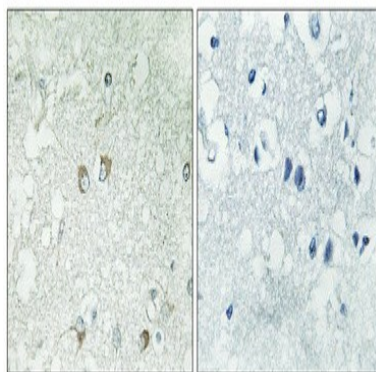
Image Data



Product Name: Golgin 45 Rabbit Polyclonal Antibody
Catalog #: APRab11577



Western blot analysis of the lysates from COLO205 cells using BLZF1 antibody.



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100 (4°, overnight) . High-pressure and temperature Tris-EDTA, pH8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.

Note

For research use only.