



Golgin 45 Monoclonal Antibody

Catalog No	YP-mAb-00699
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	BLZF1
Immunogen	The antiserum was produced against synthesized peptide derived from human BLZF1. AA range:10-59
Specificity	Golgin 45 Monoclonal Antibody detects endogenous levels of Golgin 45 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	GOLGIN 45;Golgin-45;JEM 1;JEM1;JEM-1;BLZF1;Basic leucine zipper nuclear factor 1;p45 basic leucine-zipper nuclear factor
Observed Band	47kD
Calculated Molecular Weight	47kD
Cell Pathway	Golgi apparatus membrane .; [Isoform 1]: Nucleus . Detected in the nucleus upon heterologous expression. Not detected in the cytoplasm. .; [Isoform 2]: Cytoplasm . Not detected in the nucleus. .
Tissue Specificity	Detected in adrenal gland (PubMed:9129147).
Function	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,

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.,

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

