

## Golgin 45 Polyclonal Antibody

<b>Catalog No :</b>	YT1942
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	Golgin 45
<b>Gene Name :</b>	BLZF1
<b>Protein Name :</b>	Golgin-45
<b>Human Gene Id :</b>	8548
<b>Human Swiss Prot No :</b>	Q9H2G9
<b>Mouse Gene Id :</b>	66352
<b>Mouse Swiss Prot No :</b>	Q8R2X8
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human BLZF1. AA range:10-59
<b>Specificity :</b>	Golgin 45 Polyclonal Antibody detects endogenous levels of Golgin 45 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)

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**Observed Band :** 47kD

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**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.,

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**Subcellular Location :** 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. .

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**Expression :** Detected in adrenal gland (PubMed:9129147).

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**Sort :** 6961

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**No4 :** 1

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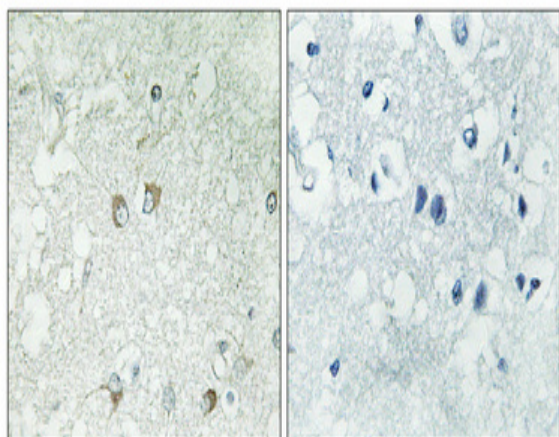
**Host :** Rabbit

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**Modifications :** Unmodified

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**Products Images**



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.

