

Mouse Anti-Golgi Complex (Marker for Human Cells) [371-4]: MC0048

Intended Use: For Research Use Only

Description: This antibody recognizes an antigen associated with the Golgi complex in human cells only. It can be used to stain the Golgi complex in cell or tissue preparations and can be used as a Golgi marker in subcellular fractions. It produces a diffuse staining pattern of the Golgi zone in normal and malignant cells. This antibody is an excellent marker for human cells in xenographic model research. It reacts specifically with human cells. The Golgi apparatus is an organelle present in all eukaryotic cells that forms a part of the endomembrane system. The primary function of the Golgi apparatus is to process and package macromolecules synthesized by the cell for exocytosis or use within the cell. The Golgi is made up of a stack of flattened, membrane-bound sacs known as cisternae, with three functional regions: the cis face, medial region and trans face. Each region consists of various enzymes that selectively modify the macromolecules passing through them, depending on where they are destined to reside. Several spherical vesicles that have budded off of the Golgi are present surrounding the main cisternae.

Specifications

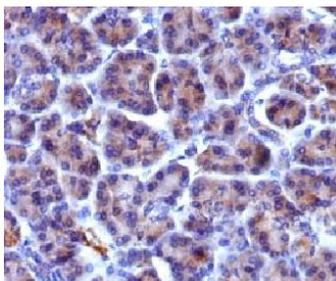
Clone: 371-4
Source: Mouse
Isotype: IgG1k
Reactivity: Human
Localization: Golgi complex in cytoplasm
Formulation: Antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN₃)
Storage: Store at 2°- 8°C
Applications: IHC, Flow Cyt., ICC/IF, WB
Package:

Description	Catalog No.	Size
Golgi Complex (Marker for Human Cells) Concentrated	MC0048	1 ml

IHC Procedure*

Positive Control Tissue: HepG2, A431 or HeLa cells. Placenta, tonsil, testis and ovary
Concentrated Dilution: 50-200
Pretreatment: Citrate pH6.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp: 30-60 minutes @ RT
Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human pancreas stained with anti-Golgi Complex using DAB

References

1. Cellular localization and functional characterization of the equilibrative nucleoside transporters of antitumor nucleosides. Yoshio Endo et. al. Cancer science 98;2007.
2. Binding and Phosphorylation of a Novel Male Germ Cell-specific cGMP-dependent Protein Kinase-anchoring Protein by cGMP-dependent Protein Kinase I. Yuasa, K et. al. J Biol Chem, 275(7):4897-4905;2000.

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