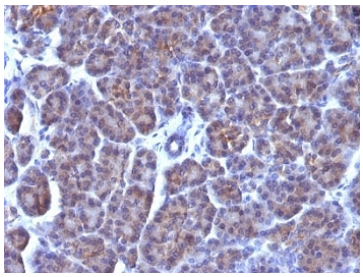
Golgi Antibody [clone AE-6] (V3097)

Catalog No.	Formulation	Size
V3097-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3097-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3097SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V3097IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Citations (8)

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	AE-6
Purity	Protein G affinity chromatography
UniProt	Not Known
Localization	Golgi complex in cytoplasm
Applications	Flow Cytometry : 1-2ug/10^6 cells Immunofluorescence : 1-2ug/ml Western Blot : 1-2ug/ml Immunocytochemistry (Acetone Or Paraformaldehyde Fixed) : 1-2ug/ml for 30 min Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This Golgi antibody is available for research use only.



IHC: Formalin-fixed, paraffin-embedded human pancreas stained with Golgi antibody (AE-6).

Description

This mAb 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 mAb 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 though 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.

Application Notes

Optimal dilution of the Golgi antibody should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

SU-DHL-1 large cell lymphoma cells were used as the immunogen for the Golgi antibody.

Storage

Store the Golgi antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).