

MAL2 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP9553b**Specification**

MAL2 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q969L2](#)**MAL2 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 114569**Other Names**

Protein MAL2, MAL2

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

MAL2 Antibody (C-term) Blocking Peptide - Protein Information**Name** MAL2**Function**

Member of the machinery of polarized transport. Required for the indirect transcytotic route at the step of the egress of the transcytosing cargo from perinuclear endosomes in order for it to travel to the apical surface via a raft-dependent pathway.

Cellular Location

Cell membrane; Multi-pass membrane protein. Apical cell membrane; Multi-pass membrane protein. Endomembrane system Cytoplasm, perinuclear region. Note=Associated with lipid rafts. In polarized epithelial cells, restricted to the apical surface. In hepatocytes, as well as in polarized hepatoma Hep-G2 cells, found in the canalicular membrane, equivalent to the apical surface, beneath the canalicular actin cytoskeleton. In non-polarized Hep-G2 cells, distributed to the perinuclear region

Tissue Location

Predominantly expressed in kidney, lung, and liver. Also found in thyroid gland, stomach and, at lower levels in testis and small intestine.

MAL2 Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

MAL2 Antibody (C-term) Blocking Peptide - Images

MAL2 Antibody (C-term) Blocking Peptide - Background

MAL2 is a multispan transmembrane protein belonging to the MAL proteolipid family. The protein is a component of lipid rafts and, in polarized cells, it primarily localizes to endosomal structures beneath the apical membrane. It is required for transcytosis, an intracellular transport pathway used to deliver membrane-bound proteins and exogenous cargos from the basolateral to the apical surface.

MAL2 Antibody (C-term) Blocking Peptide - References

ello-Morales, R., et al. Exp. Cell Res. 315(19):3453-3465(2009)otkin, S.G., et al. PLoS ONE 4 (8), E6501 (2009) :anayan, S., et al. BMC Cell Biol. 10, 7 (2009) :ohan, S., et al. Clin. Cancer Res. 12(23):6937-6945(2006)arbaric, D., et al. Leuk. Res. 30(11):1355-1363(2006)