

#### hCG\_1646420 Antibody (Center) Blocking peptide Synthetic peptide Catalog # BP12141c

#### Specification

## hCG\_1646420 Antibody (Center) Blocking peptide - Product Information

Primary Accession

#### <u>C9JDP6</u>

## hCG\_1646420 Antibody (Center) Blocking peptide - Additional Information

Gene ID 644672

**Other Names** Putative claudin-25, CLDN25

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.

## hCG\_1646420 Antibody (Center) Blocking peptide - Protein Information

Name CLDN25

**Function** Plays a major role in tight junction-specific obliteration of the intercellular space, through calcium-independent cell-adhesion activity.

**Cellular Location** Cell junction, tight junction. Cell membrane; Multi-pass membrane protein

## hCG\_1646420 Antibody (Center) Blocking peptide - Protocols

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

• **Blocking Peptides** 

# hCG\_1646420 Antibody (Center) Blocking peptide - Images

# hCG\_1646420 Antibody (Center) Blocking peptide - Background

This gene encodes a member of the claudin family. Claudinsare integral membrane proteins and



components of tight junctionstrands. Tight junction strands serve as a physical barrier toprevent solutes and water from passing freely through theparacellular space between epithelial or endothelial cell sheets, and also play critical roles in maintaining cell polarity and signal transductions.

#### hCG\_1646420 Antibody (Center) Blocking peptide - References

Lal-Nag, M., et al. Genome Biol. 10 (8), 235 (2009) :Krause, G., et al. Biochim. Biophys. Acta 1778(3):631-645(2008)Katoh, M., et al. Int. J. Mol. Med. 11(6):683-689(2003)Venter, J.C., et al. Science 291(5507):1304-1351(2001)