

AP52015PU-N**Polyclonal Antibody to hCG₁₆₄₆₄₂₀ (Center) - Aff - Purified****Alternate names:**

CLDN25, Putative claudin-25

Quantity:

0.4 ml

Concentration:

lot specific

Background:

This gene encodes a member of the claudin family. Claudins are integral membrane proteins and components of tight junction strands. Tight junction strands serve as a physical barrier to prevent solutes and water from passing freely through the paracellular space between epithelial or endothelial cell sheets, and also play critical roles in maintaining cell polarity and signal transductions.

Uniprot ID:[C9IDP6](#)**NCBI:**[NP_001094859](#)**GeneID:**[644672](#)**Host / Isotype:**

Rabbit / Ig

Immunogen:

KLH conjugated synthetic peptide between 106-136 amino acids from the Central region of human hCG₁₆₄₆₄₂₀.

Format:**State:** Liquid purified Ig fraction**Purification:** Protein A column, followed by peptide affinity purification**Buffer System:** PBS containing 0.09% (W/V) Sodium Azide as preservative**Applications:****ELISA:** 1/1000.**Western Blot:** 1/100-1/500.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

This antibody recognizes Human hCG₁₆₄₆₄₂₀ (Center).

Add. Information:**Molecular Weight:** 25394 Da**Storage:**

Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

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)

Pictures:

Western blot analysis of hCG_1646420 Antibody (Center) Cat.-No AP52015PU-N in MCF-7 cell line lysates (35ug/lane). This demonstrates the hCG_1646420 antibody detected the hCG_1646420 protein (arrow).

