

AP05171CP-N**GPR4 / GPR19 control peptide****Alternate names:**

G-protein coupled receptor 19, G-protein coupled receptor 4

Quantity:

50 µg

Concentration:

Lot specific

Background:

G protein-coupled receptors (GPCRs, or GPRs) contain 7 transmembrane domains and transduce extracellular signals through heterotrimeric G proteins. GPR4 is a member of this family (subfamily lysophospholipid/lysosphingolipid) and its expression has been reported in kidney, heart, and especially lung, where it is at least five-fold greater than in other tissues.

Uniprot ID:[P46093](#)**NCBI:**[NP_005273.1](#)**GeneID:**[2828](#)**Isotype:**

IgG

Format:**State:** Liquid purified peptide**Buffer System:** Phosphate buffered saline with 0.08% sodium azide**Applications:**

Incubate antibody neat with at least a 50 fold stoichiometric excess of blocking peptide at 37°C for 20 minutes (molecular weights of peptide and antibody are ~2.5 kDa and ~160 kDa, respectively). Antibody can then be diluted to a concentration suitable for Western blot.

Example: 10 µl or 10 µg of rabbit anti-GPR4 antibody is added to 10 µg of blocking peptide for a total volume of 20 µl. The mixture is allowed to incubate for 20 minutes at 37°C prior to dilution in suitable buffer (for Western blot, etc.).

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

Specificity:

Control peptide for antibody AP05171PU-N only.

Storage:

Store (in aliquots) at -20°C only.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.