

AP00139CP-N**Heat shock protein 105 / HSP105 Control Peptide****Alternate names:**

Antigen NY-CO-25, HSP-105, HSP110, HSPH1, Heat shock 110 kDa protein, KIAA0201

Quantity:

50 µg

Concentration:

0.2 mg/ml

Background:

Heat Shock Proteins are ubiquitously expressed in all organisms. They are induced when a cell undergoes various types of environmental stresses like heat, cold and oxygen deprivation. They are characterized by their role as molecular chaperones. Heat shock protein (HSP) 105 exists as two isoforms; alpha and beta which belong to the HSP105/HSP110 protein family. HSP105 acts as both a chaperone to prevent thermal aggregation of proteins and as a regulator of mammalian cells. The HSP105 isoforms are found in the cytoplasm but not in the nucleoli under non-stressed and stressed conditions.

Uniprot ID:[Q92598](#)**NCBI:**[NP_006635.2](#)**GeneID:**[10808](#)**Format:****State:** Liquid peptide**Buffer System:** PBS, pH 7.2, containing 0.1% BSA and 0.02% thimerosal**Applications:**

Western blot: It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30 minutes at 37°C.

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

Specificity:

Control peptide for antibody AP00139PU-N only.

Storage:

Store the antibody undiluted at -20°C or for long term storage (in aliquots) at -70°C. Avoid repeated freezing and thawing.
Shelf life: one year from despatch.