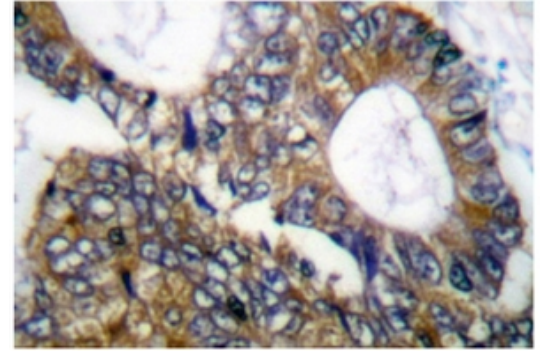


AP06171PU-N**Polyclonal Antibody to Heat shock protein 105 / HSP105 - Aff - Purified**

Alternate names:	Antigen NY-CO-25, HSP-105, HSP110, HSPH1, Heat shock 110 kDa protein, KIAA0201
Quantity:	0.1 mg
Concentration:	1.0 mg/ml
Background:	The heat shock proteins (HSPs) comprise a group of highly conserved, abundantly expressed proteins with diverse functions, including the assembly and sequestering of multiprotein complexes, transportation of nascent polypeptide chains across cellular membranes and regulation of protein folding. Heat shock proteins (also known as molecular chaperones) fall into six general families: HSP 90, HSP 70, HSP 60, the low molecular weight HSPs, the immunophilins and the HSP 110 family. The HSP 110 family (also known as the HSP 105 family) is composed of HSP 105, Apg-1 and Apg-2. HSP 105 is a testis-specific and HSP 90-related protein. Research indicates that HSP 105 is specifically localized in the germ cells and may translocate into the nucleus after heat shock. It is suggested that HSP 105 may contribute to the stabilization of p53 proteins in the cytoplasm of the germ cells, preventing the potential induction of apoptosis by p53.
Uniprot ID:	Q92598
NCBI:	NP_006635.2
GeneID:	10808
Host:	Rabbit
Immunogen:	Synthetic peptide, corresponding to amino acids 780-830 of Human HSP105.
Format:	State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE) Purification: Affinity Chromatography using epitope-specific immunogen Buffer System: Phosphate buffered saline (PBS), pH~7.2 Preservatives: 0.05% Sodium Azide
Applications:	Western blot: 1/500-1/1000. Immunofluorescence: 1/50-1/200. Immunohistochemistry on Paraffin Sections: 1/50-1/200. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Molecular Weight:	~105 kDa
Specificity:	This antibody detects endogenous levels of HSP105 protein. (region surrounding Pro819)
Species Reactivity:	Tested: Human. Expected from sequence similarity: Mouse and Rat.
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.

Pictures:

Immunohistochemistry analysis of HSP105 antibody (Cat.-No AP06171PU-N) antibody in paraffin-embedded human colon carcinoma tissue.



Western blot (WB) analysis of HSP105 antibody (Cat.-No.: AP06171PU-N) at 1/500 dilution
Lane1:HEK293T cell lysate
Lane2:NIH-3T3 cell lysate
Lane3:PC12 cell lysate

