

## Product datasheet for **AP06171PU-M**

### Hsp105 (HSPH1) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	<b>Western blot:</b> 1/500-1/1000. <b>Immunofluorescence:</b> 1/50-1/200. <b>Immunohistochemistry on Paraffin Sections:</b> 1/50-1/200.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 780-830 of Human HSP105.
Specificity:	This antibody detects endogenous levels of HSP105 protein. (region surrounding Pro819)
Formulation:	Phosphate buffered saline (PBS), pH~7.2 State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE) Preservative: 0.05% Sodium Azide
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific immunogen
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~105 kDa
Gene Name:	heat shock protein family H (Hsp110) member 1
Database Link:	<a href="#">Entrez Gene 10808 Human</a> <a href="#">Q92598</a>

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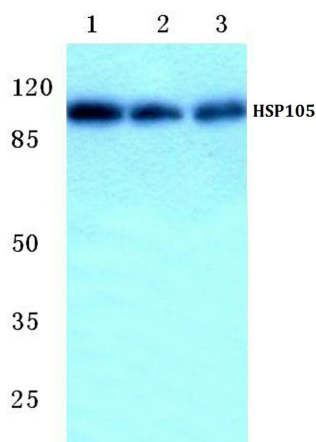
## Background:

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.

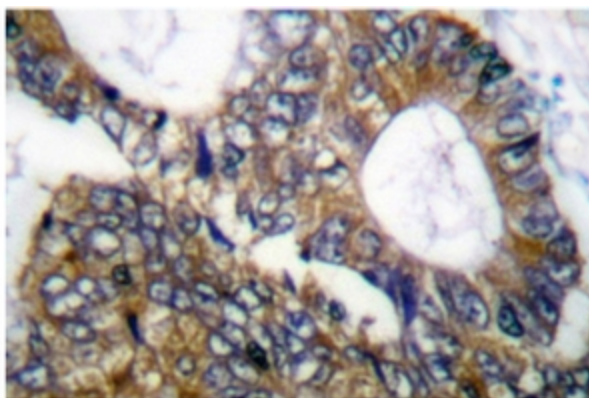
## Synonyms:

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

## Product images:



Western blot (WB) analysis of HSP105 antibody at 1/500 dilution Lane 1:HEK293T cell lysate Lane 2:NIH-3T3 cell lysate Lane 3:PC12 cell lysate



Immunohistochemistry analysis of HSP105 antibody in paraffin-embedded human colon carcinoma tissue.