

**KD-Validated Anti-Hsp105 Rabbit Monoclonal Antibody**  
**Rabbit monoclonal antibody**  
**Catalog # AGI1554****Specification**

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**KD-Validated Anti-Hsp105 Rabbit Monoclonal Antibody - Product Information**

Application	WB, FC
Primary Accession	<a href="#">Q92598</a>
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 97 kDa , observed , 105 kDa
Gene Name	KDa
Aliases	HSPH1 HSPH1; Heat Shock Protein Family H (Hsp110) Member 1; KIAA0201; NY-CO-25; HSP105B; HSP105A; Heat Shock 105kDa/110kDa Protein 1; Heat Shock Protein 105 KDa; Antigen NY-CO-25; HSP105; Heat Shock 110 KDa Protein; HSP110
Immunogen	A synthesized peptide derived from human Hsp105

**KD-Validated Anti-Hsp105 Rabbit Monoclonal Antibody - Additional Information**

Gene ID	10808
<b>Other Names</b>	
Heat shock protein 105 kDa, Antigen NY-CO-25, Heat shock 110 kDa protein, Heat shock protein family H member 1, HSPH1, HSP105, HSP110, KIAA0201	

**KD-Validated Anti-Hsp105 Rabbit Monoclonal Antibody - Protein Information****Name** HSPH1**Synonyms** HSP105, HSP110, KIAA0201**Function**

Acts as a nucleotide-exchange factor (NEF) for chaperone proteins HSPA1A and HSPA1B, promoting the release of ADP from HSPA1A/B thereby triggering client/substrate protein release (PubMed:<a href="http://www.uniprot.org/citations/24318877" target="\_blank">24318877</a>). Prevents the aggregation of denatured proteins in cells under severe stress, on which the ATP levels decrease markedly. Inhibits HSPA8/HSC70 ATPase and chaperone activities (By similarity).

**Cellular Location**

Cytoplasm.

**Tissue Location**

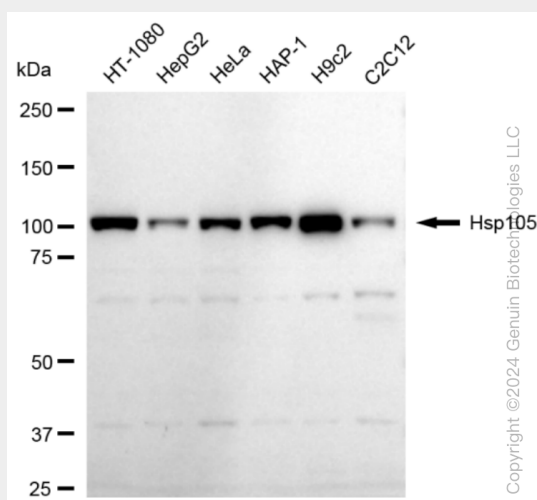
Highly expressed in testis. Present at lower levels in most brain regions, except cerebellum.  
Overexpressed in cancer cells.

## KD-Validated Anti-Hsp105 Rabbit Monoclonal Antibody - Protocols

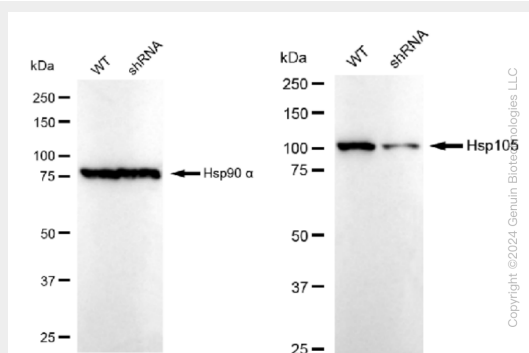
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## KD-Validated Anti-Hsp105 Rabbit Monoclonal Antibody - Images

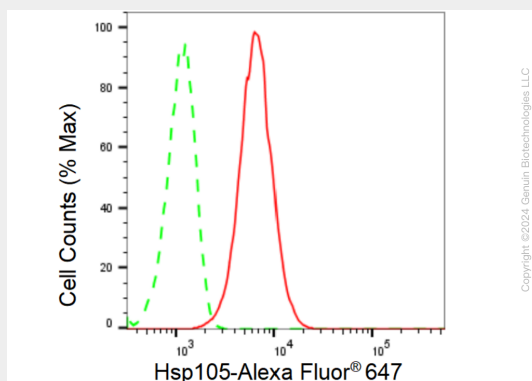


Western blotting analysis using anti-Hsp105 antibody (Cat#62140). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Hsp105 antibody (Cat#62140, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).



Western blotting analysis using anti-Hsp105 antibody (Cat#62140). Hsp105 expression in wild type (WT) and Hsp105 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α

serves as a loading control. The blot was incubated with anti-Hsp105 antibody (Cat#62140, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).



Flow cytometric analysis of Hsp105 expression in HT-1080 cells using Hsp105 antibody (Cat#62140, 1:2,000). Green, isotype control; red, Hsp105.