



# HSP105 Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-03920
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Gene Name</b>	HSPH1
<b>Protein Name</b>	Heat shock protein 105 kDa
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human HSP105. AA range:791-840
<b>Specificity</b>	HSP105 Polyclonal Antibody detects endogenous levels of HSP105 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	HSPH1; HSP105; HSP110; KIAA0201; Heat shock protein 105 kDa; Antigen NY-CO-25; Heat shock 110 kDa protein
<b>Observed Band</b>	100kD
<b>Cell Pathway</b>	Cytoplasm .
<b>Tissue Specificity</b>	Highly expressed in testis. Present at lower levels in most brain regions, except cerebellum. Overexpressed in cancer cells.
<b>Function</b>	function: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.,PTM:Phosphorylation on Ser-509 may be important for regulation of the HSPA8/HSC70 chaperone activity.,similarity:Belongs to the heat shock protein 70 family.,subunit:Interacts with HSPA8/HSC70.,tissue specificity:Highly expressed in testis. Present at lower levels in most brain regions, except cerebellum. Overexpressed in cancer cells.,
<b>Background</b>	function: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.,PTM:Phosphorylation on Ser-509 may be important for regulation of the HSPA8/HSC70 chaperone activity.,similarity:Belongs to the heat shock protein 70 family.,subunit:Interacts



with HSPA8/HSC70.,tissue specificity:Highly expressed in testis. Present at lower levels in most brain regions, except cerebellum. Overexpressed in cancer cells.,

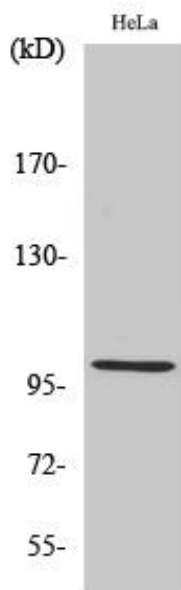
**matters needing attention**

Avoid repeated freezing and thawing!

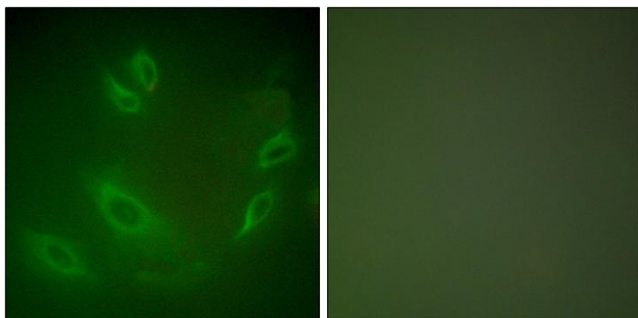
**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

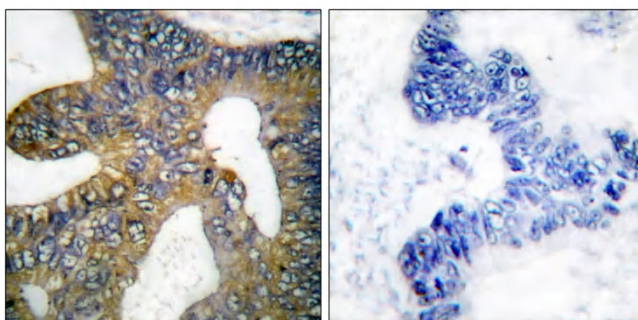
**Products Images**



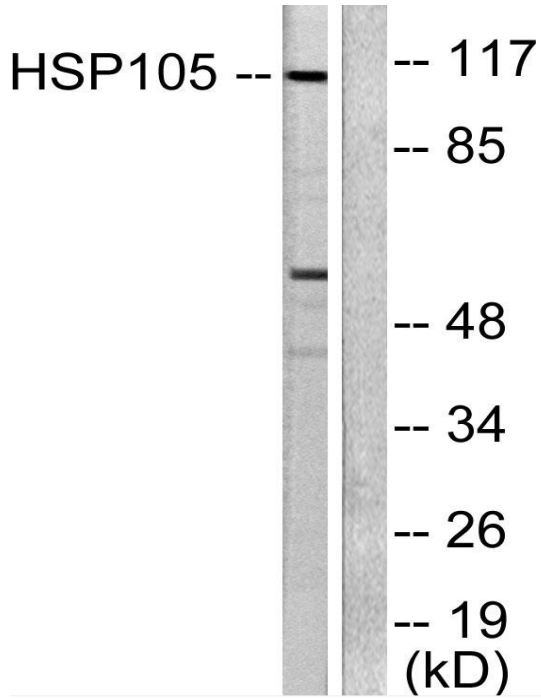
Western Blot analysis of various cells using HSP105 Polyclonal Antibody



Immunofluorescence analysis of HeLa cells, using HSP105 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue, using HSP105 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HeLa cells, using HSP105 Antibody. The lane on the right is blocked with the synthesized peptide.