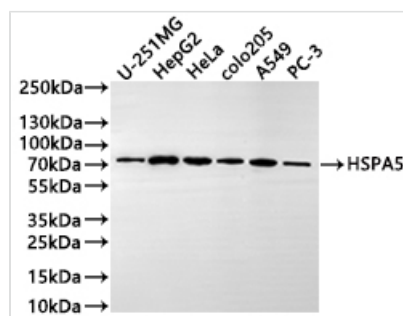




HSPA5 Recombinant Monoclonal Antibody

Product Code	CSB-RA010827MA1HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P11021
Immunogen	Recombinant Human HSPA5 protein
Species Reactivity	Human, Cricetulus griseus
Tested Applications	ELISA, WB, IHC, FC; Recommended dilution: WB:1:500-1:2000, IHC:1:50-1:200, FC:1:50-1:200
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Purification Method	Affinity-chromatography
Isotype	hIgG1
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Target Names	HSPA5
Clone No.	9G10

Image



Western Blot

Positive WB detected in: U-251MG whole cell lysate(20μg), HepG2 whole cell lysate(20μg), HeLa whole cell lysate(20μg), colo205 whole cell lysate(20μg), A549 whole cell lysate(20μg), PC-3 whole cell lysate(20μg)

All lanes: HSPA5 antibody at 1:1000

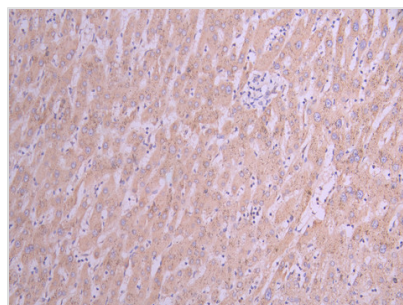
Secondary

Goat polyclonal to human IgG at 1/40000 dilution

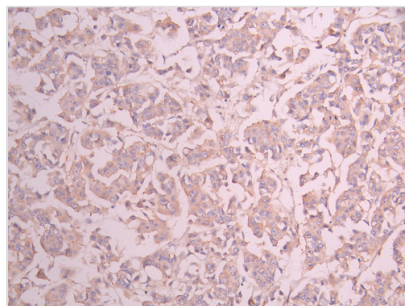
Predicted band size: 72 kDa

Observed band size: 72 kDa

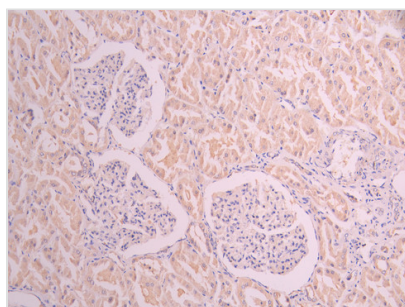
Exposure time: 2min



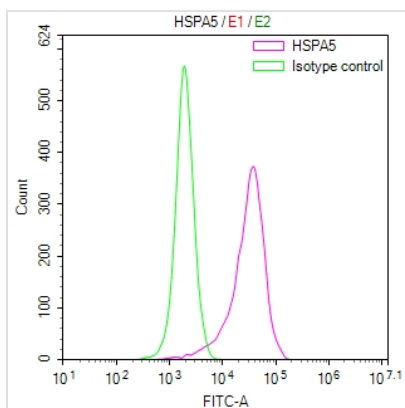
IHC image of CSB-RA010827MA1HU diluted at 1:50 and staining in paraffin-embedded human liver cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Anti-Human IgG, Fcy Fragment Specific labeled by HRP and visualized using 0.05% DAB.



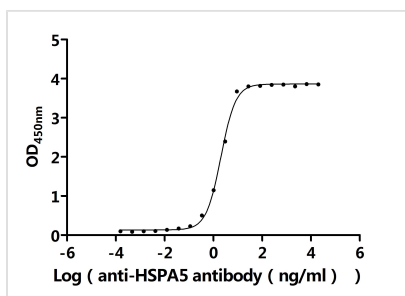
IHC image of CSB-RA010827MA1HU diluted at 1:50 and staining in paraffin-embedded human breast cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Anti-Human IgG, Fcy Fragment Specific labeled by HRP and visualized using 0.05% DAB.



IHC image of CSB-RA010827MA1HU diluted at 1:50 and staining in paraffin-embedded human kidney tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Anti-Human IgG, Fcy Fragment Specific labeled by HRP and visualized using 0.05% DAB.



Overlay Peak curve showing U251 cells stained with CSB-RA010827MA1HU (red line) at 1:100. The cells were fixed in 4% formaldehyde and permeated by 0.2% TritonX-100 for 10min. Then 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1 μ g/1 $\times$ 10⁶ cells) for 45min at 4°C. The secondary antibody used was Fluorescein (FITC) AffiniPure Goat Anti-Human IgG, Fc γ fragment specific at 1:200 dilution for 35 min at 4°C. Control antibody (green line) was human IgG1 (1 μ g/1 $\times$ 10⁶ cells) used under the same conditions. Acquisition of >10,000 events was performed.



The Binding Activity of Cricetulus griseus HSPA5 with Anti-HSPA5 Recombinant Antibody Activity: Measured by its binding ability in a functional ELISA. Immobilized Cricetulus griseus HSPA5(CSB-MP6869DXU) at 2 μ g/mL can bind Anti-HSPA5 recombinant antibody. The EC₅₀ is 1.884-2.205 ng/mL.

Usage

For Research Use Only. Not for use in diagnostic or therapeutic procedures.