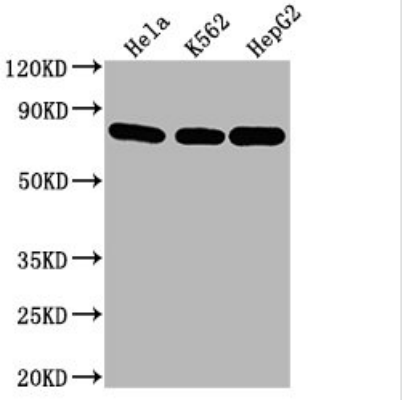
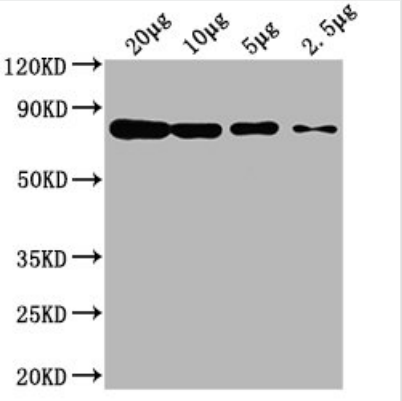
HSPA8 Monoclonal Antibody

Product Code	CSB-MA010829A1m
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P11142
Immunogen	Recombinant Human Heat shock cognate 71 kDa protein (2-646AA)
Raised In	Mouse
Species Reactivity	Human
Tested Applications	ELISA, WB, IHC, IF, FC; Recommended dilution: WB: 1:5000-1:32000, IHC: 1:100-1:500, IF: 1:100-1:500, FC: 1:100-1:300
Relevance	Acts as a repressor of transcriptional activation. Inhibits the transcriptional coactivator activity of CITED1 on Smad-mediated transcription. Chaperone. Component of the PRP19-CDC5L complex that forms an integral part of the spliceosome and is required for activating pre-mRNA splicing. May have a scaffolding role in the spliceosome assembly as it contacts all other components of the core complex. Binds bacterial lipopolysaccharide (LPS) et mediates LPS-induced inflammatory response, including TNF secretion by monocytes. Participates in the ER-associated degradation (ERAD) quality control pathway in conjunction with J domain-containing co-chaperones and the E3 ligase CHIP.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Purification Method	>95%, Protein G purified
Isotype	IgG1
Clonality	Monoclonal
Alias	Heat shock cognate 71 kDa protein (Heat shock 70 kDa protein 8) (Lipopolysaccharide-associated protein 1) (LAP-1) (LPS-associated protein 1), HSPA8, HSC70 HSP73 HSPA10
Product Type	Monoclonal Antibody
Immunogen Species	Homo sapiens (Human)
Gene Names	HSPA8
Clone No.	6E4D2
Image	

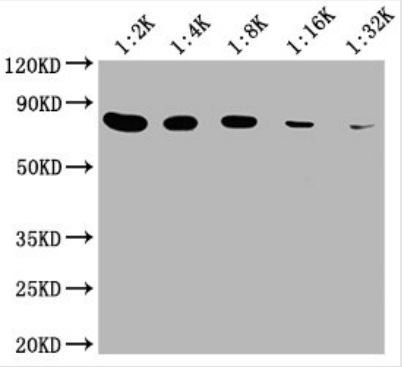


Western Blot

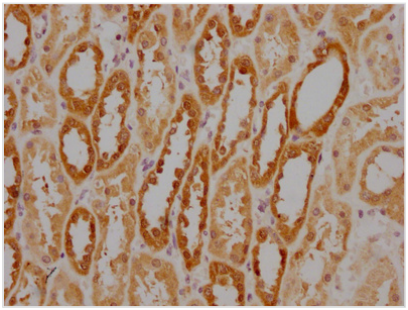
Positive WB detected in: Hela whole cell lysate, K562 whole cell lysate, HepG2 whole cell lysate
All lanes HSPA8 antibody at 1:2000
Secondary
Goat polyclonal to mouse IgG at 1/50000 dilution
Predicted band size: 70~75 KDa
Observed band size: 70~75 KDa
Exposure time: 5min



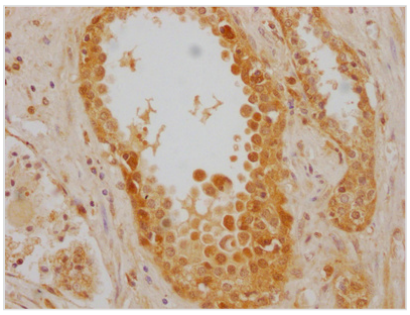
Western Blot
Positive WB detected in: Hela whole cell lysate at 20μg, 10μg, 5μg, 2.5μg
All lanes: HSPA8 antibody at 1:2000
Secondary
Goat polyclonal to mouse IgG at 1/50000 dilution
Predicted band size: 70~75 KDa
Observed band size: 70~75 KDa
Exposure time: 5min



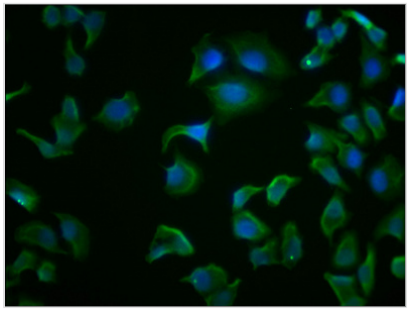
Western Blot
Positive WB detected in: 20μg Hela whole cell lysate
HSPA8 antibody at 1:2000, 1:4000, 1:8000, 1:16000, 1:32000
Secondary
Goat polyclonal to mouse IgG at 1/50000 dilution
Predicted band size: 70~75 KDa
Observed band size: 70~75 KDa
Exposure time: 5min



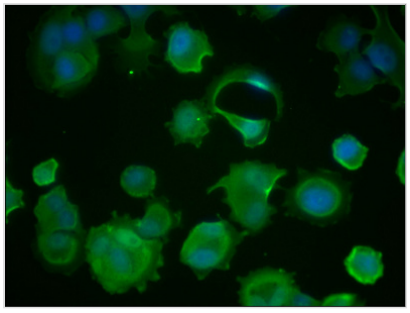
IHC image of CSB-MA010829A1m diluted at 1:220 and staining in paraffin-embedded human kidney tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



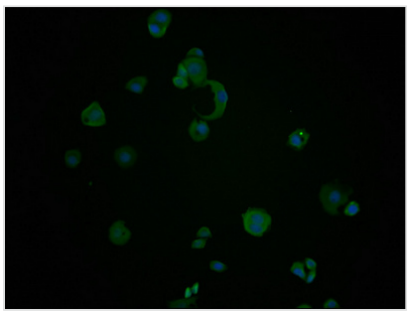
IHC image of CSB-MA010829A1m diluted at 1:220 and staining in paraffin-embedded human prostate cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



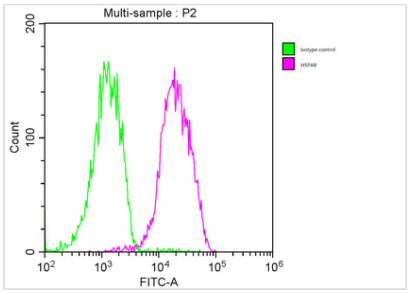
Immunofluorescence staining of Hela cells with CSB-MA010829A1m at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Mouse IgG (H+L).



Immunofluorescence staining of MCF-7 cells with CSB-MA010829A1m at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Mouse IgG (H+L).



Immunofluorescence staining of PC-3 cells with CSB-MA010829A1m at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Mouse IgG (H+L).



Overlay histogram showing MCF-7 cells stained with CSB-MA010829A1m (red line). The cells were fixed with 70% Ethylalcohol (18h) and then incubated in 10% normal goat serum to block non-specific protein-protein interactions followed by the primary antibody at 1:200 for 1 h at 4°C. The secondary antibody used was FITC goat anti-mouse IgG(H+L) at 1/100 dilution for 30min at 4°C. Isotype control antibody (green line) was mouse IgG1 used under the same conditions. Acquisition of >10,000 events was performed.