10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

HSPA7 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP8748C

Specification

HSPA7 Antibody (Center) - Product Information

Application	**WB, IHC-P, FC,E**
Primary Accession	P48741
Other Accession	P17066
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**169-196**

HSPA7 Antibody (Center) - Additional Information

Other Names
Putative heat shock 70 kDa protein 7, Heat shock 70 kDa protein B, HSPA7, HSP70B

Target/Specificity
This HSPA7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 169-196 amino acids from the Central region of human HSPA7.

Dilution
WB~~1:2000
IHC-P~~1:250
FC~~1:25

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
HSPA7 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

HSPA7 Antibody (Center) - Protein Information

Name HSPA7

Synonyms HSP70B

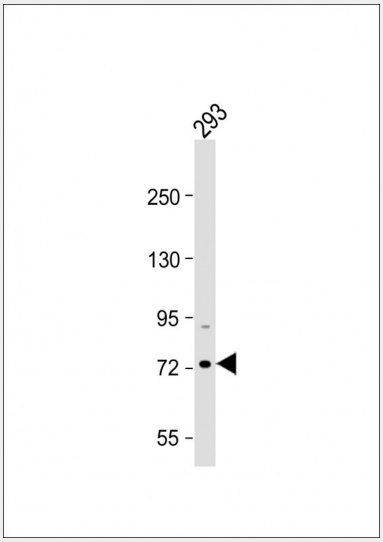
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HSPA7 Antibody (Center) - Protocols

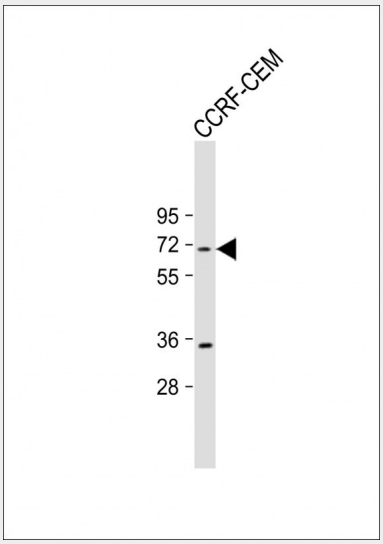
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

HSPA7 Antibody (Center) - Images



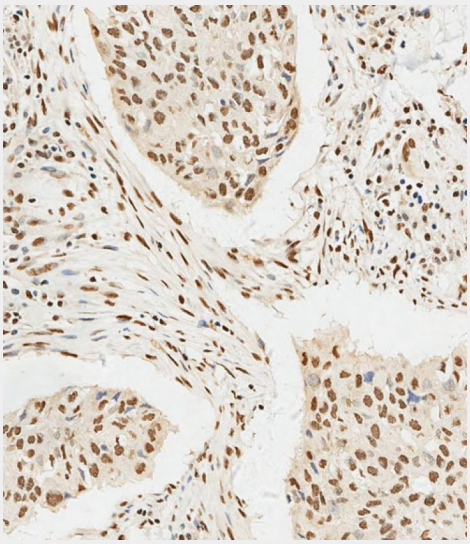
Anti-HSPA7 Antibody (Center) at 1:2000 dilution + 293 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 70 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



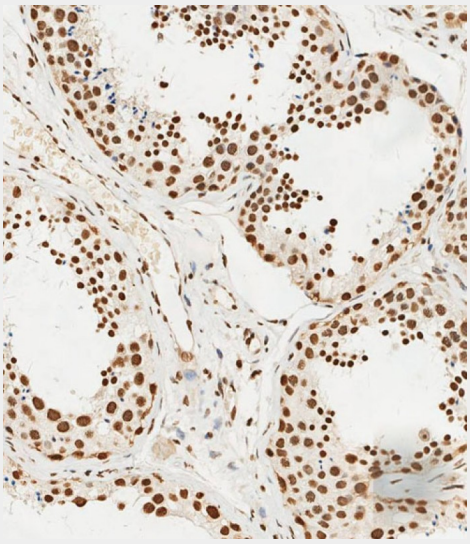
Anti-HSPA7 Antibody (Center) at 1:2000 dilution + CCRF-CEM whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000

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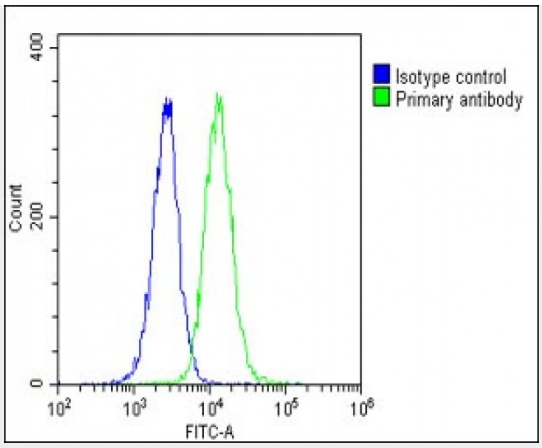


AP8748C staining HSPA7 in human lung adenocarcinoma tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Samples were incubated with primary antibody (1/250) for 1 hours at room temperature. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



AP8748C staining HSPA7 in human testis tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Samples were incubated with primary antibody (1/250) for 1 hours at room temperature. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

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Overlay histogram showing U-2 OS cells stained with AP8748C(green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then icubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AP8748C, 1:25 dilution) for 60 min at 37ºC. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(1583138) at 1/200 dilution for 40 min at 37ºC. Isotype control antibody (blue line) was rabbit IgG1 (1µg/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.

HSPA7 Antibody (Center) - References

Voellmy R., et.al., Proc. Natl. Acad. Sci. U.S.A. 82:4949-4953(1985).