10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

HSPA7 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8748C

Product Information

Application	WB, FC, IHC-P, E
Primary Accession	P48741
Other Accession	P17066
Reactivity	Human
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB22780
Calculated MW	40244
Antigen Region	169-196

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 FC~~1:25 IHC-P~~1:250 E~~Use at an assay dependent concentration.
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.

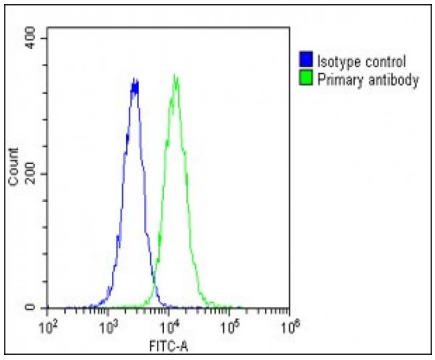
Protein Information

Name	HSPA7
Synonyms	HSP70B

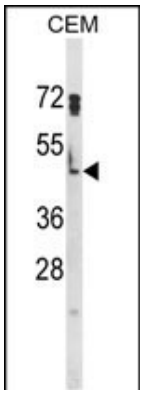
References

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

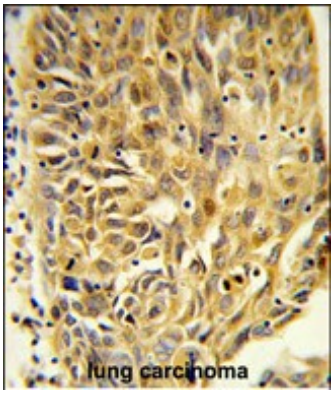
Images



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.



Western blot analysis of HSPA7 Antibody (Center) (Cat. #AP8748c) in CEM cell line lysates (35ug/lane). HSPA7 (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human lung carcinoma reacted with HSPA7 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.