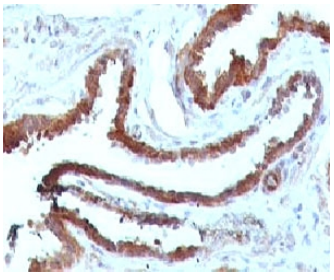
HSP27 Antibody [clone SRPR27] (V7102)

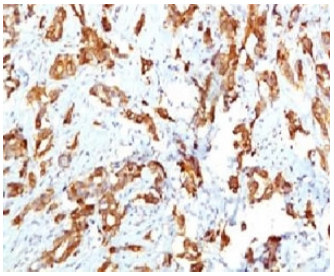
Catalog No.	Formulation	Size
V7102-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7102-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7102SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7102IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

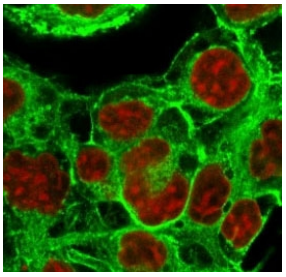
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	SRPR27
Purity	Protein G affinity chromatography
UniProt	P04792
Localization	Predominantly cytoplasmic with some nuclear
Applications	Immunofluorescence: 1-2ug/ml Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT Prediluted IHC only format: incubate for 30 min at RT (1)
Limitations	This HSP27 antibody is available for research use only.



IHC testing of FFPE human prostate carcinoma and HSP27 antibody (clone SRPR27). Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.



IHC testing of FFPE human breast carcinoma and HSP27 antibody (clone SRPR27). Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.



Immunofluorescent staining of PFA-fixed human MCF7 cells with HSP27 antibody (clone SRPR27, green) and Reddot nuclear stain (red).

Description

HSP27 is induced by environmental stress and developmental changes. It is involved in stress resistance and actin organization and translocates from the cytoplasm to the nucleus upon stress induction. [RefSeq]

For an additional monoclonal antibody to HSPB1 with Protein Microarray Validated specificity data, see our HSPB1 Antibody / Heat Shock Protein Beta-1 Antibody page.

Application Notes

Optimal dilution of the HSP27 antibody should be determined by the researcher.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Recombinant human HSPB1 protein was used as the immunogen for the HSP27 antibody.

Storage

Store the HSP27 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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