

HSP27 Monoclonal Antibody

Description

Product type	Primary Antibody
Code	BT-MCA0741
Host	Mouse
Isotype	IgG
Size	50ul, 100ul
Immunogen	Purified recombinant fragment of human HSP27 expressed in E. Coli.
Mol wt	N/A
Species reactivity	Human,Rat
Clonality	Monoclonal
Recommended application	WB, IHC-p, IF, ICC, FCM, ELISA
Concentration	1 mg/ml
Full name	Heat shock protein beta-1
Synonyms	HSPB1; HSP27; HSP28; Heat shock protein beta-1; HspB1; 28 kDa heat shock protein; Estrogen-regulated 24 kDa protein; Heat shock 27 kDa protein; HSP 27; Stress-responsive protein 27; SRP27

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

The protein encoded by this gene is induced by environmental stress and developmental changes. The encoded protein is involved in stress resistance and actin organization and translocates from the cytoplasm to the nucleus upon stress induction. Defects in this gene are a cause of Charcot-Marie-Tooth disease type 2F (CMT2F) and distal hereditary motor neuropathy (dHMN).

Recommended Dilution

FC: 1:200 - 1:400

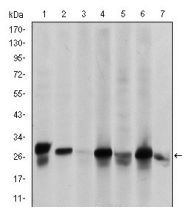
IF: 1:200 - 1:1000

IHC: 1:200 - 1:1000

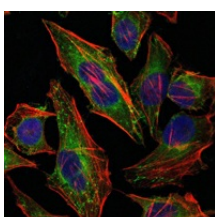
WB: 1:500 - 1:2000

Not yet tested in other applications.

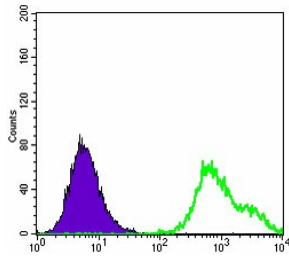
Images



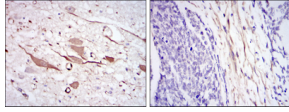
Western Blot analysis using HSP27 Monoclonal antibody against HeLa (1) A549 (2) Jurkat (3) A431 (4) HEK293(5) HepG2 (6) and PC-12 (7) cell lysate.



Immunofluorescence analysis of HeLa cells using HSP27 Monoclonal antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow cytometric analysis of HepG2 cells using HSP27 Monoclonal antibody (green) and negative control (purple).



Immunohistochemistry analysis of paraffin-embedded brain tissues (left) and esophageal cancer tissues (right) with DAB staining using HSP27 Monoclonal antibody

Storage

-20°C for one year

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