

HSP27 Antibody

Catalog No: #21239

Package Size: #21239-1 50ul #21239-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	HSP27 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total HSP27 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.76~80 (A-L-S-R-Q) derived from Human HSP27.
Target Name	HSP27
Other Names	Heat shock 27 kDa protein; HSP 27; Stress-responsive protein 27
Accession No.	Swiss-Prot: P04792NCBI Protein: NP_001531.1
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

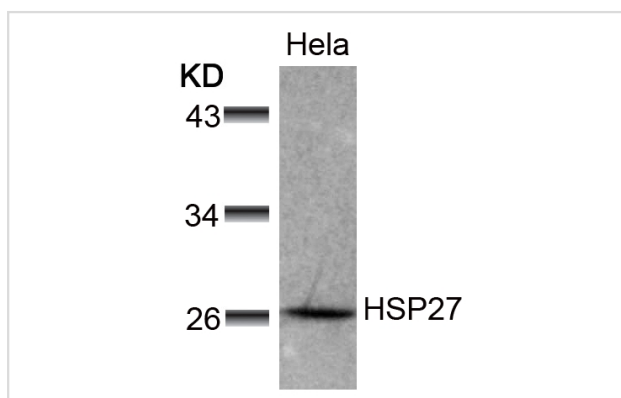
Application Details

Predicted MW: 27kd

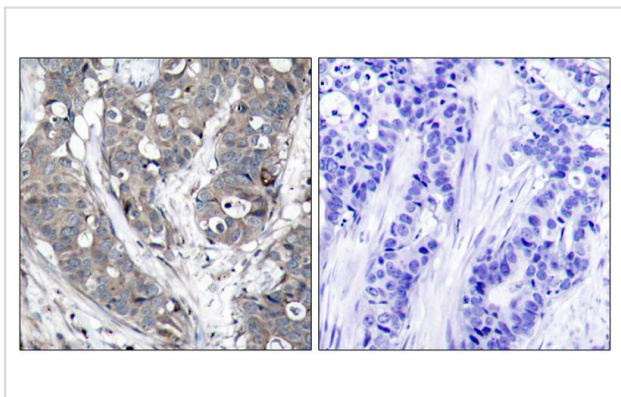
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from HeLa cells using HSP27(Ab-78) Antibody #21239.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using HSP27(Ab-78) Antibody #21239(left) or the same antibody preincubated with blocking peptide(right).

Background

Involved in stress resistance and actin organization.

Published Papers

Wenbo Ma, Yan Teng, Hui Hua et al., Upregulation of heat shock protein 27 confers resistance to actinomycin D-induced apoptosis in cancer cells., FEBS Journal., 280(18):4612-4624(2013)

[PMID:23848600](#)

et al., Heat Shock Protein 27 Plays a Pivotal Role in Myofibroblast Differentiation and in the Development of Bleomycin-Induced Pulmonary Fibrosis.In PLoS One on 2016 Feb 9 by Ah-Mee Park, Kyosuke Kanai et al..PMID:26859835, , (2016)

[PMID:26859835](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.