

DATASHEET

Hsp27 Rabbit Monoclonal Antibody(ARA863)

CAT. NO. ARA6689

KEY FEATURES

Target	Hsp27	Source / Host	Rabbit
Reactivity	Human	Clonality	Monoclonal
Applications	IHC	Storage	-20°C

BACKGROUND

The heat shock proteins (HSPs) comprise a group of highly conserved, abundantly expressed proteins with diverse functions, including the assembly and sequestering of multiprotein complexes, transport of nascent poly - peptide chains across cellular membranes and regulation of protein folding. Heat shock proteins (also known as molecular chaperones) fall into six general families: HSP 90, HSP 70, HSP 60, the low molecular weight HSPs, the immunophilins and the HSP 110 family. The low molecular weight family includes HSP 10, HSP 20, HSP 27, HSP 32 and HSP 40. HSP 27 is a constitutively expressed cytoplasmic protein that localizes to the nucleus upon stress induced by insult. Heat, cytokines and hormones are among the factors that stimulate the synthesis of HSP 27. In vitro, HSP 27 becomes highly phosphorylated following exposure to stress. The discovery that HSP 27 is regulated by hormones such as estrogen has led to studies establishing a relationship between HSP 27 and breast cancer.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

IHC	1:1000
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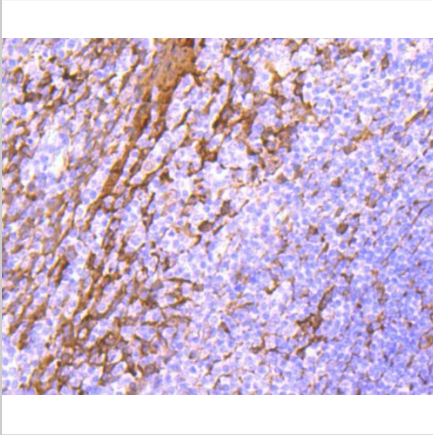
*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

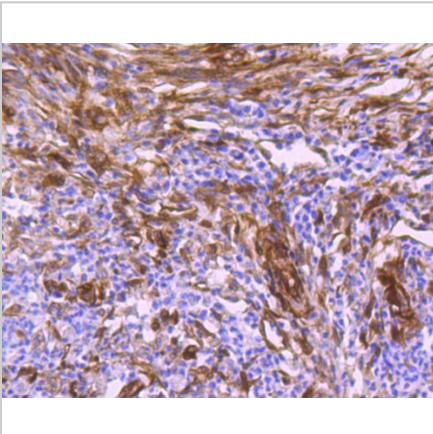
Antibody Type	Recombinant Rabbit monoclonal Antibody
Immunogen	Synthetic peptide within Human Hsp27 aa 127-176 / 205
Molecular Weight	Predicted band size: 23 kDa
Positive Control	HeLa cell lysate, A549 cell lysate, Jurkat cell lysate, HeLa, HepG2, human tonsil tissue, human colon carcinoma tissue, human breast carcinoma tissue
Conjugation	unconjugated
Form/Buffer	1*TBS (pH7.4), 0.05% BSA, 40% Glycerol, Preservative: 0.05% Sodium Azide
Isotype	IgG
Purification	Protein A affinity purified

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

DATASHEET**Hsp27 Rabbit Monoclonal Antibody(ARA863)****CAT. NO. ARA6689****DATA**

Immunohistochemical analysis of paraffin-embedded human tonsil tissue using with Hsp27 Rabbit Monoclonal Antibody(ARA863)



Immunohistochemical analysis of paraffin-embedded human colon carcinoma tissue using with Hsp27 Rabbit Monoclonal Antibody(ARA863)

STORAGE

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: www.arexbio.com