



Datasheet for ABIN306830 anti-HSP27 antibody



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	HSP27
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This HSP27 antibody is un-conjugated
Application:	Western Blotting (WB), Immunocytochemistry (ICC), Immunoprecipitation (IP), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	Hybridoma produced by the fusion of splenocytes from BALB/c mice immunized with partially purified HSP27 derived from MCF-7 cytosol and mouse myeloma cells.
Clone:	G3-1
Isotype:	IgG1
Cross-Reactivity:	Human
Characteristics:	HSP27, also referred to as the Estrogen-Regulated 24K protein and HSP28, is one of several small heat shock proteins (HSP) produced by all organisms studied. HSP27 synthesis is induced by elevated temperature as well as estrogen in hormone responsive cells. Interestingly, human HSP27 also shares greater than 50 % homology with low molecular weight Drosophila HSPs and mammalian alpha-crystalline lens protein. Because of the estrogen responsive

Product Details

nature of HSP27, this protein has been studied extensively in human estrogen responsive tissues such as cervix, endometrium and breast tissue. Therefore, HSP27 may be useful in classifying various hormone sensitive tumors.

Purification: Protein A/G Chromatography

Target Details

Target: HSP27

Alternative Name: Heat Shock Protein 27 ([HSP27 Products](#))

UniProt: [P04792](#)

Pathways: [VEGF Signaling](#)

Application Details

Application Notes: This antibody can be used for immunohistochemistry and immunocytochemistry on frozen and paraffin-embedded tissue sections as well as for ELISA, immunoprecipitation and Western blot. Optimal concentration should be evaluated by serial dilutions.

Restrictions: For Research Use only

Handling

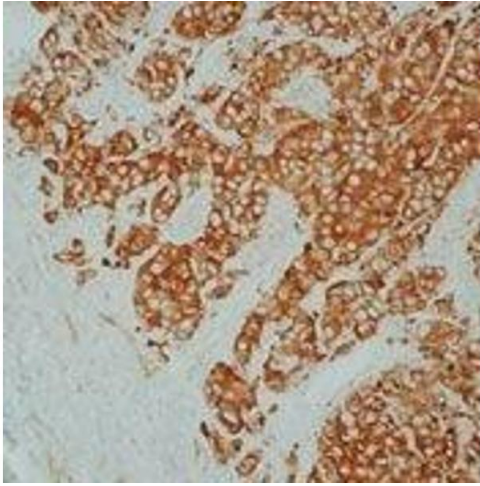
Buffer: Provided as solution in phosphate buffered saline with 0.08 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles



Immunohistochemistry

Image 1. Formalin-fixed, paraffin-embedded human breast carcinoma stained with Heat Shock Protein 27 using peroxidase- conjugate and DAB chromogen. Note intense cytoplasmic staining of tumor cells.