

# HSP27 (pSer78) Polyclonal Antibody

(Catalog No. A-7427)

### **Background**

HSP27 is a member of the small heat shock proteins (sHsp) family, along with alphaB-crystallin. It is involved in stress resistance and actin organization and is associated with CRYAB, alpha- and beta-tubulin, and microtubules. HSP27 can also interact with other heat shock proteins, such as HSPB8 and HSPBAP1. It is usually expressed in response to certain environmental stresses like heat shock, or as reaction to estrogen stimulation in the MCF-7 cells. Expression is seen throughout most tissues with the highest amounts being in the heart and in the striated and smooth muscle tissue. Overexpression of HSP27 has been linked to certain cancers including breast, prostate, gastric, ovarian, and urinary bladder cancers.



Rabbit polyclonal antibody to HSP27 (pSer78)

#### **Formulation**

Liquid. In PBS containing 50% glycerol and 0.09% sodium azide.

# **Immunogen**

Synthetic peptide corresponding to a portion of human HSP27 phosphorylated at Ser78.

## Specificity

Human, Rat, Bovine, Guinea pig, Monkey

#### **Purification**

Protein A- affinity purified

#### Storage

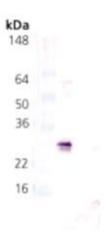
Store at -20°C. Avoid multiple freeze/thaw cycles.

## Application

IHC, WB (1:1000, colorimetric)

#### **Ordering Information**

Products	Size	Cat. No.
HSP27 (pSer78) Polyclonal Antibody	50 µg	A-7427-050
	200 µg	A-7427-200



→ Fig. 1. Western blot analysis of HSP27 (pSer78) Polyclonal Antibody: Lane 1 MW marker, Lane 2 phospho HSP27, Lane 3 non-phospho HSP27 and Lane 4 MDBK (weak reactivity).