

## Product Datasheet

# Hsp27 (9G1) Mouse mAb

Catalog No: AB3465

Reactivity: Human

Isotype: Mouse IgG1

Applications: WB,IHC



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### Information

**UniProt ID:** P04792

**All Names:** Heat shock protein 27, CMT2F, HSP B1, HSP28, SRP27, Stress responsive protein 27

**Form:** Liquid

**Storage instructions:** Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

**Storage buffer:** pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

**Purity:** Affinity-chromatography

**Immunogen:** A synthesized peptide

**Molecular Wt.:** 27kDa

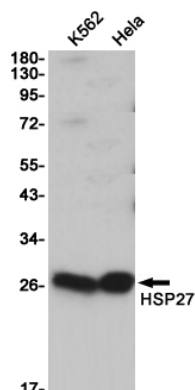
### Application

WB: 1/500-1/1000

IHC: 1/50-1/200

### Background

Swiss-Prot Acc.P04792.Small heat shock protein which functions as a molecular chaperone probably maintaining denatured proteins in a folding-competent state (PubMed:10383393, PubMed:20178975). Plays a role in stress resistance and actin organization (PubMed:19166925). Through its molecular chaperone activity may regulate numerous biological processes including the phosphorylation and the axonal transport of neurofilament proteins (PubMed:23728742).



Western blot detection of HSP27 in K562,Hela cell lysates using HSP27 (9G1) Mouse mAb(1:1000 diluted).Predicted band size:27KDa.Observed band size:27KDa.

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