



Cat nr AE00231

Product Datasheet

Rabbit Polyclonal Phospho-Specific Antibody, HSPB1-pS78 to:

HSP27, phosphorylated S78

Heat Shock Protein family B (small) member 1; Heat shock protein beta-1; 28 kDa heat shock protein; Estrogen-regulated 24 kDa protein; Heat shock 27 kDa protein; Stress-Responsive Protein 27; CMT2F; HMN2B; HSP27; HSP 27; HSP28; Hsp25; SRP27; HS.76067; HEL-S-102

Cellular localization Plasma membrane, cell surface, cytoskeleton

Official Symbol (Gene) HSPB1
 GeneID 3315
 SwissProt P04792

Confirmed Applications WB
 Positive controls Anisomycin-treated HeLa, UV-treated HeLa
 Customers positive feedback
 Aeonian Rating© 70

Purification Antigen-affinity purified from serum by sequential phospho-peptide and non-phospho-peptide affinity columns

Formulation PBS, 0.02% azide, 50% glycerol

Amount 100ug 200ug

Isotype Rabbit IgG

Confirmed species reactivity Human

Immunogen A synthetic peptide around phosphorylated S78 of human HSP27 (NP_001531.1).

Epitope A short sequence around phosphorylated S78 (exact sequence is proprietary)

Storage instructions Avoid repeated freeze/thaw cycles. For long term storage, keep small aliquots at -20C or -80C and keep one aliquot at 4C for daily experimentations. Azide will preserve antibody at 4C for 6-12 months, when kept away from direct sun light.

Expiration Integrity warranted for 24 months after purchase when handled and stored according to instructions, see below.

Warranty This product is only warranted for the specifications as described in this product sheet and only when the product is handled and stored according to instructions. User should validate this antibody in the application and tissue/cell type as required, after confirmation of integrity upon receipt is obtained by reproducing the performance as described below. Should such confirmation not be attempted, any warranty is void. In case of non-conformance, user needs to contact us immediately for replacement or refund.

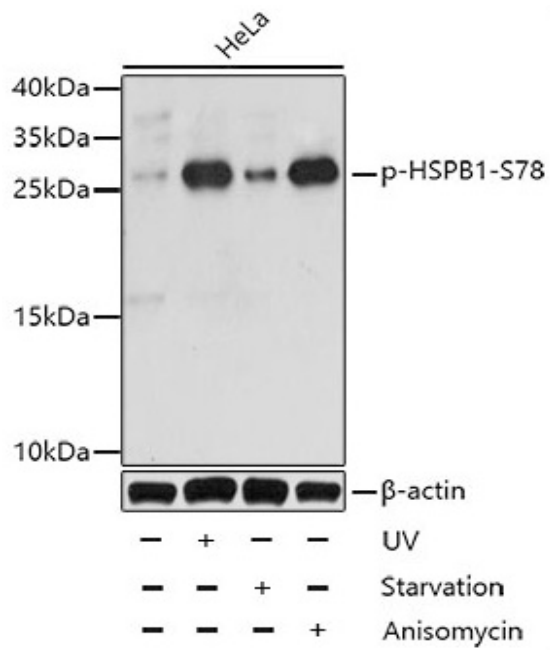
Liability This product is for in vitro research use only. Any other applications, such as diagnostics or therapeutics, or in vivo experiments, and the validation of this product therein, are solely at the responsibility of the buyer/user.

Product performance see next pages

Product data:

Western Blot (WB):

This product was successfully used to stain an approx. 27kDa band in lysates of UV-treated, serum-starved or Anisomycin-treated HeLa. Recommended concentration: 1-3ug/ml



Western Blots of 30ug lysates of HeLa with and without UV radiation (15-30 min), or serum-starved (overnight) HeLa with or without Anisomycin (25ug/ml, 30min), stained with HSPB1-pS78 Rabbit Polyclonal Antibody AE00231 at 1ug/ml (1h at ambient temp). ECL staining by HRP.