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Product datasheet for TA321367

HSP27 (HSPB1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1:500-1000, IHC: 1:50-100, IF: 1:100-200
Reactivity:	Human
Modifications:	Phospho-specific
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide sequence around phosphorylation site of serine 78 (A-L-S(p)-R-Q) derived from Human HSP27.
Formulation:	PBS pH7.3, 0.05% NaN3, 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	23 kDa
Gene Name:	heat shock protein family B (small) member 1
Database Link:	NP_001531 Entrez Gene 3315 Human P04792
Background:	The protein encoded by this gene is induced by environmental stress and developmental changes. The encoded protein is involved in stress resistance and actin organization and translocates from the cytoplasm to the nucleus upon stress induction. Defects in this gene are a cause of Charcot-Marie-Tooth disease type 2F (CMT2F) and distal hereditary motor neuropathy (dHMN).
Synonyms:	CMT2F; HEL-S-102; HMN2B; HS.76067; Hsp25; HSP27; HSP28; SRP27

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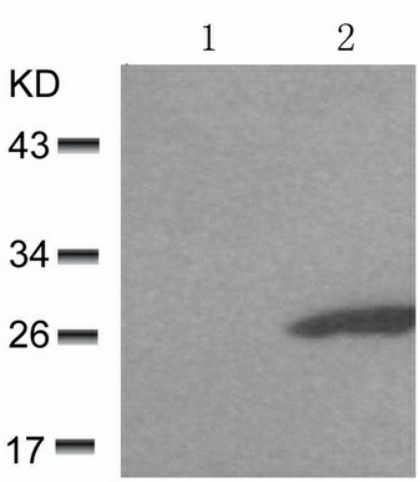
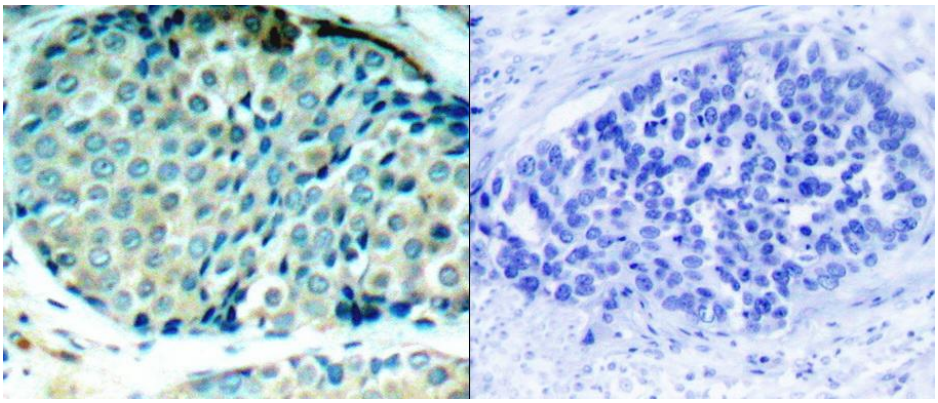
Protein Pathways: MAPK signaling pathway, VEGF signaling pathway

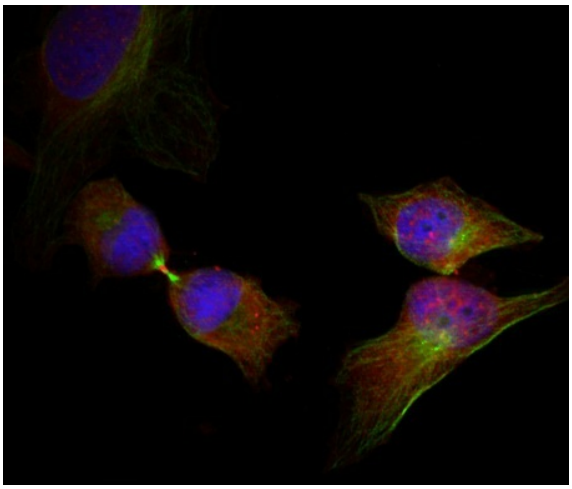
Product images:



Predicted band size: 23 kDa. Positive control: HL60 cells treated with UV lysate. Recommended dilution: 1/ 500-1000. (Gel: 10%SDS-PAGE Lane 1: HL60 cells untreated with UV lysate Lane 2: HL60 cells treated with UV lysate Lysates: 30 ug per lane Primary antibody: 1/500 dilution Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution Exposure time: 1 minute)



Predicted cell location: Cytoplasm; Nucleus. Positive control: Human breast carcinoma tissue. Recommended dilution: 1/ 50-100 The image on the left is immunohistochemistry of paraffin-embedded human breast carcinoma tissue using HSPB1 (Phospho-Ser78) antibody at dilution 1/50, on the right is treated with the synthetic peptide. (Original magnification:x200)



Predicted cell location: Cytoplasmic, Nuclear and centrosomal. Positive control: Hela cells. Recommended dilution: 1/ 100-200.The image is immunofluorescence of methanol-fixed Hela cells using HSPB1 (Phospho-Ser78) antibody at dilution 1/100. (Original magnification:×200)