

Anti-Phospho-HSPB1 (Ser82) Antibody (8A434)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	8A434
Purification:	Affinity-chromatography

Applications

Verified Activity:	<p>1. Western Blot</p> <ul style="list-style-type: none">-Positive WB detected in Hela whole cell lysate, HepG2 whole cell lysate(treated with Calyculin A or EGF)-All lanes Phospho-HSPB1 antibody at 0.73µg/ml-Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution-Predicted band size: 27 KDa <p>2. IHC image of TMAH-00911 diluted at 1:100 and staining in paraffin-embedded human lung cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.</p>
Application:	ELISA,IHC,WB
Recommended	WB:1:500-1:5000; IHC:1:50-1:200.

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthetic peptide: Human Phospho-HSPB1 (S82)
Antigen Species:	Human
Gene ID:	3315
Uniprot ID:	P04792
Synonyms:	HSP28;HSPB1 (p-S82);CMT2F;HSPB1 (p-Ser82);SRP27;Hsp27;HSP 27;HSPB1;p-HSPB1 (Ser82); Phospho-HSPB1 (S82);HMN2B;p-HSPB1 (S82)
Biology Area:	Signal Transduction

Research Background

Small heat shock protein which functions as a molecular chaperone probably maintaining denatured proteins in a folding-competent state. Plays a role in stress resistance and actin organization. Through its molecular chaperone

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activity may regulate numerous biological processes including the phosphorylation and the axonal transport of neurofilament proteins.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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