

## Anti-Phospho-HSPB1 (Ser78) Antibody (5T164)

### Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	5T164
Purification:	Affinity-chromatography

### Applications

Verified Activity:	<ol style="list-style-type: none"><li>Western Blot<ul style="list-style-type: none"><li>-Positive WB detected in A549 whole cell lysate(treated with EGF or not)</li><li>-All lanes Phospho-HSPB1 antibody at 1.5µg/ml</li><li>-Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution</li><li>-Predicted band size: 27 KDa</li><li>-Observed band size: 27 KDa</li></ul></li><li>IHC image of TMAH-00910 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.</li><li>IHC image of TMAH-00910 diluted at 1:100 and staining in paraffin-embedded human breast 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.</li></ol>
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 (S78)
Antigen Species:	Human
Gene ID:	3315
Uniprot ID:	P04792
Synonyms:	p-HSPB1 (S78);HSPB1;HSP28;Hsp27;SRP27;Phospho-HSPB1 (S78);p-HSPB1 (Ser78);HSPB1 (p-Ser78);CMT2F;HMN2B;HSPB1 (p-S78);HSP 27
Biology Area:	Signal Transduction

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

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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