

## HSPB1 Polyclonal Antibody

**catalog number: E-AB-19503**

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

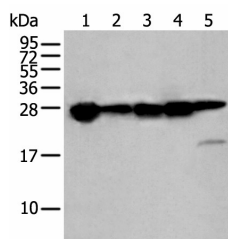
### Description

<b>Reactivity</b>	Human
<b>Immunogen</b>	Synthetic peptide of human HSPB1
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Antigen affinity purification
<b>Buffer</b>	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.

### Applications

Applications	Recommended Dilution
<b>WB</b>	1:500-1:2000
<b>IHC</b>	1:25-1:100

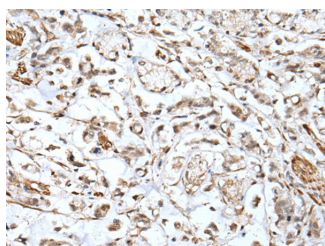
### Data



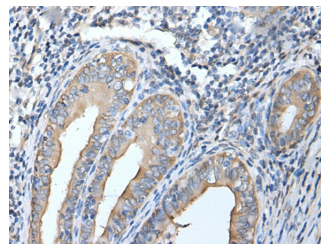
Western blot analysis of 293T cell lysates using HSPB1 Polyclonal Antibody at dilution of 1:250

**Observed-MW: Refer to figures**

**Calculated-MW: 23 kDa**



Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using HSPB1 Polyclonal Antibody at dilution of 1:25 (x200)



Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using HSPB1 Polyclonal Antibody at dilution of 1:25 (x200)

### Preparation & Storage

<b>Storage</b>	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
<b>Shipping</b>	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

### Background

### For Research Use Only

This gene encodes a member of the small heat shock protein (HSP20) family of proteins. In response to environmental stress, the encoded protein translocates from the cytoplasm to the nucleus and functions as a molecular chaperone that promotes the correct folding of other proteins. This protein plays an important role in the differentiation of a wide variety of cell types. Expression of this gene is correlated with poor clinical outcome in multiple human cancers, and the encoded protein may promote cancer cell proliferation and metastasis, while protecting cancer cells from apoptosis. Mutations in this gene have been identified in human patients with Charcot-Marie-Tooth disease and distal hereditary motor neuropathy.

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