

## HSP Beta2 Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP04245
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human HSPB2. AA range:121-170
<b>Mol wt</b>	20233
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IHC-p, IF, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	HSP beta2 Antibody
<b>Synonyms</b>	HSPB2; Heat shock protein beta-2; HspB2; DMPK-binding protein; MKBP

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### Background

Heat shock protein beta-2 encoded by HSPB2 belongs to the superfamily of small heat-shock proteins containing a conservative alpha-crystallin domain at the C-terminal part of the molecule. The protein is expressed preferentially in the heart and skeletal muscle. This protein regulates Myotonic Dystrophy Protein Kinase, which plays an important role in maintenance of muscle structure and function.

### Recommended Dilution

WB: 1: 500 - 1: 2000

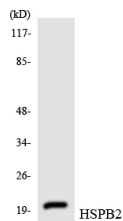
IHC: 1: 100 - 1: 300

IF: 1: 200 - 1: 1000

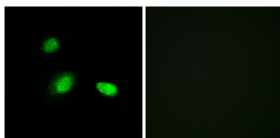
ELISA: 1: 40000

Not yet tested in other applications.

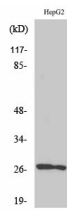
### Images



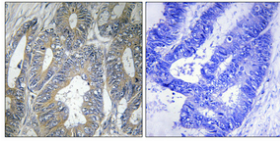
Western blot analysis of the lysates from HeLa cells using HSPB2 antibody.



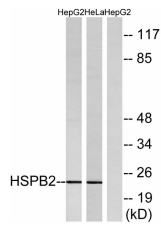
Immunofluorescence analysis of A549 cells, using HSPB2 Antibody. The picture on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using HSP  $\beta$ 2 Polyclonal Antibody



Immunohistochemical analysis of paraffin-embedded Human colon cancer. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.



Western blot analysis of lysates from HepG2 and HeLa cells, using HSPB2 Antibody. The lane on the right is blocked with the synthesized peptide.

### Storage

-20°C for one year

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