

# Anti-HSPB2 Antibody

Rabbit polyclonal antibody to HSPB2 Catalog # AP60745

#### **Product Information**

**Application** WB, IF/IC, IHC

Primary Accession Q16082
Other Accession Q99PR8

**Reactivity** Human, Mouse, Rat, Bovine

Host Rabbit
Clonality Polyclonal
Calculated MW 20233

## **Additional Information**

**Gene ID** 3316

Other Names Heat shock protein beta-2; HspB2; DMPK-binding protein; MKBP

**Target/Specificity** KLH-conjugated synthetic peptide encompassing a sequence within the

C-term region of human HSPB2. The exact sequence is proprietary.

**Dilution** WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200), IF/IC (1/100 - 1/500)

IF/IC~~N/A IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200), IF/IC (1/100 -

1/500)

**Format** Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30%

glycerol, and 0.09% (W/V) sodium azide.

Storage Store at -20 °C.Stable for 12 months from date of receipt

### **Protein Information**

Name HSPB2

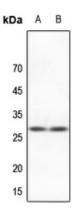
**Function** May regulate the kinase DMPK.

**Cellular Location** Cytoplasm. Nucleus. Note=Localizes to nuclear foci

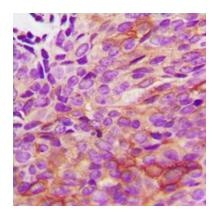
**Tissue Location** Expressed preferentially in skeletal muscle and heart but not in the lens

# **Background**

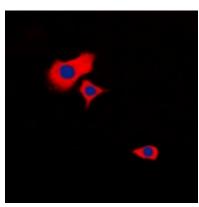
KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human HSPB2. The exact sequence is proprietary.



Western blot analysis of HSPB2 expression in mouse muscle (A), rat muscle (B) whole cell lysates.



Immunohistochemical analysis of HSPB2 staining in human renal cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of HSPB2 staining in Hela cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.