

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

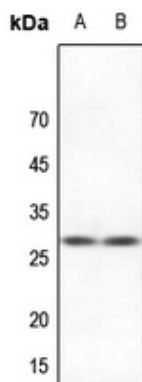
Gene ID	3316
Other Names	Heat shock protein beta-2; HspB2; DMPK-binding protein; MKBP
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human HSPB2. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200), IF/IC (1/100 - 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

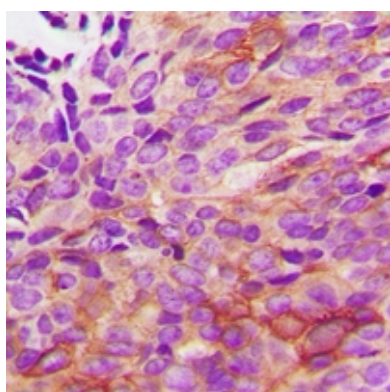
Name	HSPB2
Function	May regulate the kinase DMPK.
Cellular Location	Cytoplasm. Nucleus. Note=Localizes to nuclear foci
Tissue Location	Expressed preferentially in skeletal muscle and heart but not in the lens

Background

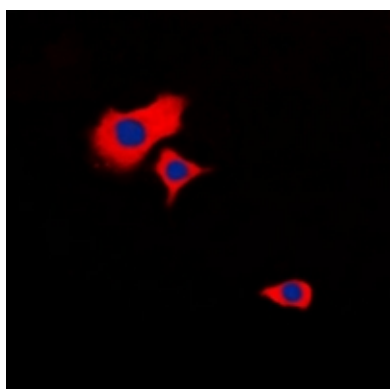
KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human HSPB2. The exact sequence is proprietary.



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 humidified 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'.