

Anti-HSPB2 Antibody

Rabbit polyclonal antibody to HSPB2 Catalog # AP60745

Specification

Anti-HSPB2 Antibody - Product Information

Application WB, IF/IC, IHC Primary Accession Q16082

Other Accession O16082
Other Accession O99PR8

Reactivity Human, Mouse, Rat, Bovine

Host Rabbit
Clonality Polyclonal
Calculated MW 20233

Anti-HSPB2 Antibody - 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), IH (1/100 - 1/200), IF/IC (1/100 - 1/500) IF/IC~~N/A IHC~~1:100~500

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

Anti-HSPB2 Antibody - Protein Information

Name HSPB2

Function

May regulate the kinase DMPK.

Cellular Location

Cytoplasm. Nucleus. Note=Localizes to nuclear foci

Tissue Location



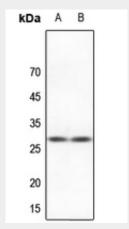
Expressed preferentially in skeletal muscle and heart but not in the lens

Anti-HSPB2 Antibody - Protocols

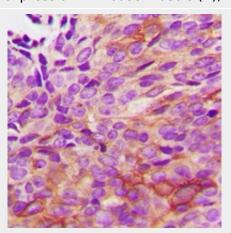
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

Anti-HSPB2 Antibody - Images

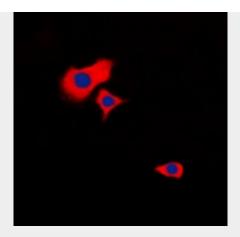


Western blot analysis of HSPB2 expression in mouse muscle (A), rat muscle (B) whole cell lysates.



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).

Anti-HSPB2 Antibody - Background

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