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For Research Use Only

# IHC*easy*® HSPB1 Ready-To-Use IHC Kit

## Catalog Number: KHC0427

## General Information

Sample type:
FFPE tissue

Cited sample type:

Reactivity:
Human

Cited Reactivity:

Assay type:
Immunohistochemistry

Primary antibody type:
Mouse Monoclonal

Secondary antibody type:
Polymer-HRP-Goat anti-Mouse

## Kit Component

| Component | Size | Concentration |
|---|---|---|
| Antigen Retrieval Buffer | 100 mL | 50× |
| Washing Buffer | 100 mL ×2 | 20× |
| Blocking Buffer | 5 mL | RTU |
| Primary Antibody | 5 mL | RTU |
| Secondary Antibody | 5 mL | RTU |
| Chromogen Component A | 0.2 mL | RTU |
| Chromogen Component B | 4 mL | RTU |
| Signal Enhancer | 5 mL | RTU |
| Counter Staining Reagent | 5 mL | RTU |
| Mounting Media | 5 mL | RTU |
| Control Slide | 1 slide (Optional) | FFPE |
| Datasheet | 1 Copy | |
| Manual | 1 Copy | |

## Storage Instructions

All the reagents are stored at 2-8°C. The kit is stable for 6 months from the date of receipt.

## Background

HSPB1, also known as heat shock protein 27 (Hsp27), belongs to the small heat shock protein family which is induced in response to environmental challenges or/and developmental transitions. It is also an anti-apoptotic protein that plays crucial roles in tumorigenesis and cell survival and is reported to be an independent prognosis marker for cancer. Recently HSPB1 has been found to be a valuable marker for melanoma.

## Synonyms

28 kDa heat shock protein, CMT2F, DKFZp586P1322, Heat shock 27 kDa protein, heat shock 27kDa protein 1, Heat shock protein beta 1, HMN2B, HS.76067, HSP 27, Hsp25, HSP27, HSP28, HSPB1, SRP27, Stress responsive protein 27

For technical support and original validation data for this product please contact:
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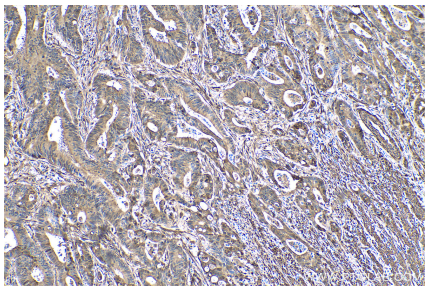
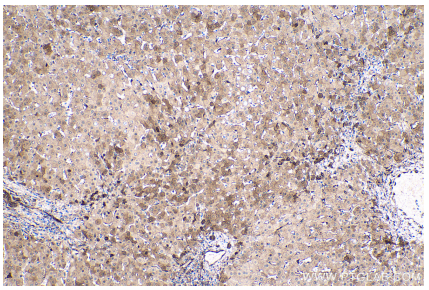
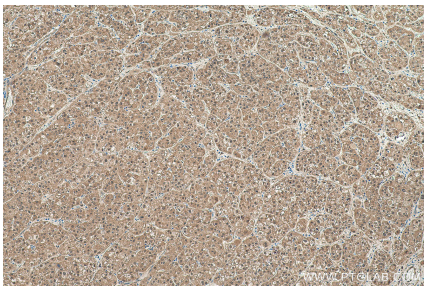
## Selected Validation Data



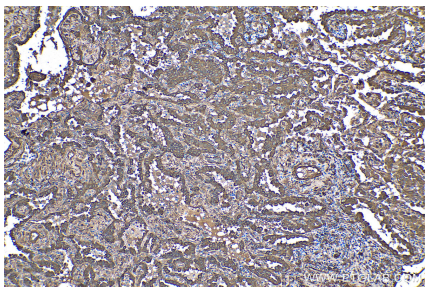
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using KHC0427 (HSPB1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using KHC0427 (HSPB1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using KHC0427 (HSPB1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using KHC0427 (HSPB1 IHC Kit).