




Product datasheet

Anti-HSPB7 antibody ab232744

6 Images

Overview

Product name	Anti-HSPB7 antibody
Description	Rabbit polyclonal to HSPB7
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse 
Immunogen	Recombinant full length protein (His-T7-tag) corresponding to Human HSPB7 aa 1-170. (Expressed in E.coli). Sequence: MSHRTSSTFRAERSFHSSSSSSSSSTSSSASRALPAQDP PMEKALSMFSD DFGSFMRPHSEPLAFPARPGGAGNIKTLGDAYEFAVDVR DFSPEDIVTT SNNHIEVRAEKLAADGTMNTFAHKCQLPEDVDPTSVTS ALREDGSLTIRARRHPHTEHVQQTFRTEIKI Database link: Q9UBY9  Run BLAST with  Run BLAST with
Positive control	IHC-P: Human kidney, cerebrum, liver and glioma tissues. WB: Pig skeletal muscle lysate; Recombinant human HSPB7 protein.
General notes	This product was previously labelled as cvHSP

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, as well as customer reviews and Q&As.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol
Purity	Immunogen affinity purified
Purification notes	ab232744 was purified by antigen-specific affinity chromatography followed by Protein A affinity chromatography.
Clonality	Polyclonal
Isotype	IgG

Applications

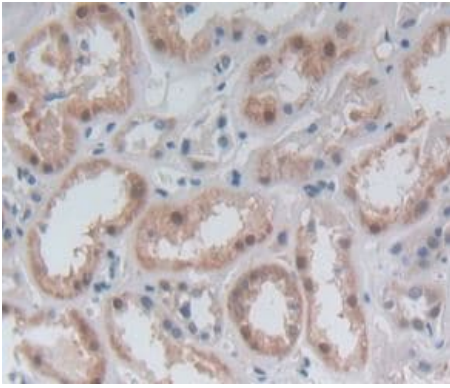
Our [Abpromise guarantee](#) covers the use of **ab232744** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 5 - 20 µg/ml.
WB		Use a concentration of 0.5 - 2 µg/ml. Predicted molecular weight: 19 kDa.

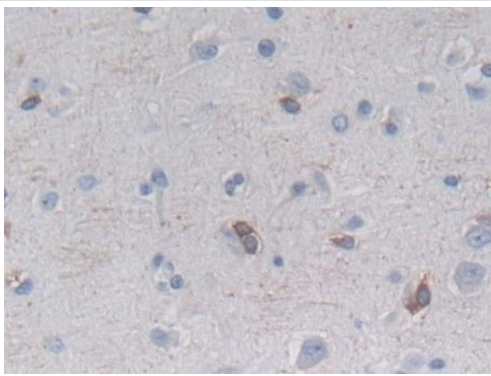
Target

Tissue specificity	Isoform 1 is highly expressed in adult and fetal heart, skeletal muscle, and at a much lower levels in adipose tissue and in aorta. Undetectable in other tissues. Isoform 2 and isoform 3 are poorly detected in heart.
Sequence similarities	Belongs to the small heat shock protein (HSP20) family.
Cellular localization	Cytoplasm. Nucleus. Nucleus > Cajal body. Resides in sub-nuclear structures known as SC35 speckles or nuclear splicing speckles.



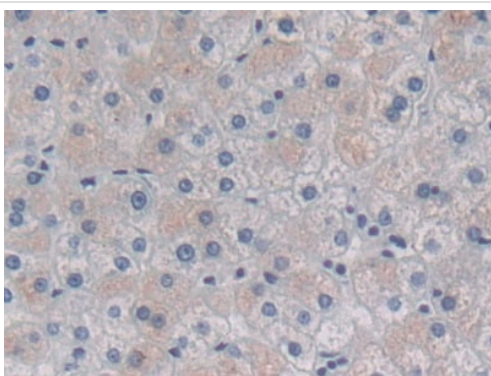
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HSPB7 antibody (ab232744)

Formalin-fixed, paraffin-embedded human kidney tissue stained for HSPB7 using ab232744 at 20 µg/ml in immunohistochemical analysis. DAB staining.



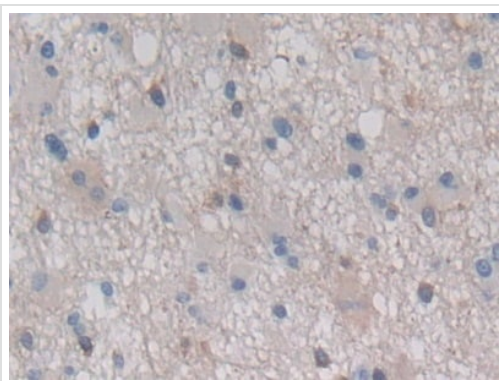
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HSPB7 antibody (ab232744)

Paraffin-embedded human cerebrum tissue stained for HSPB7 using ab232744 at 20 µg/ml in immunohistochemical analysis. DAB staining.



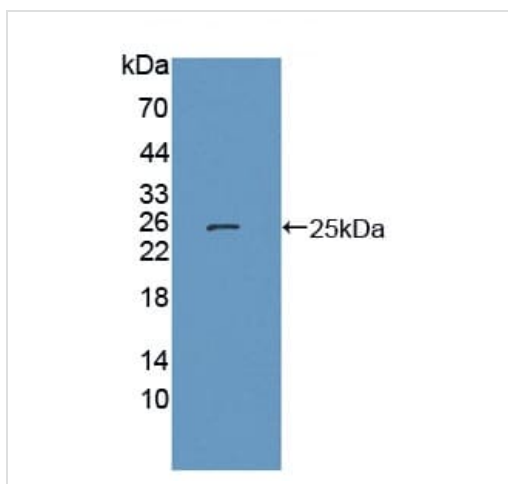
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HSPB7 antibody (ab232744)

Paraffin-embedded human liver tissue stained for HSPB7 using ab232744 at 20 µg/ml in immunohistochemical analysis. DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HSPB7 antibody (ab232744)

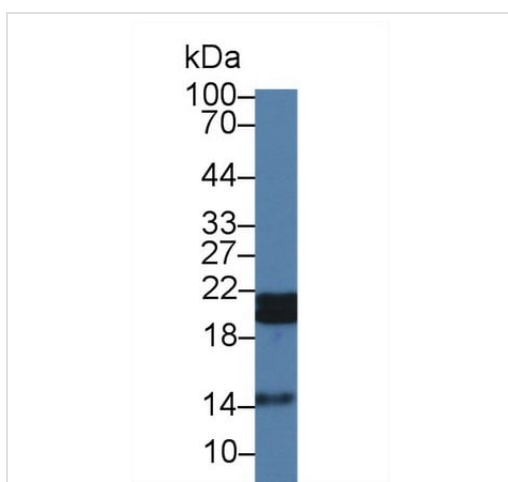
Paraffin-embedded human glioma tissue stained for HSPB7 using ab232744 at 20 µg/ml in immunohistochemical analysis. DAB staining.



Western blot - Anti-HSPB7 antibody (ab232744)

Anti-HSPB7 antibody (ab232744) at 2 µg/ml + Recombinant human HSPB7 protein

Predicted band size: 19 kDa



Western blot - Anti-HSPB7 antibody (ab232744)

Anti-HSPB7 antibody (ab232744) at 1 µg/ml + Pig skeletal muscle lysate

Secondary

HRP-Linked Guinea pig Anti-Rabbit at 1/1000 dilution

Predicted band size: 19 kDa

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