Rabbit HSPB2 Polyclonal Antibody | anti-HSPB2 antibody

HSPB2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324286	**Rabbit**	**Human, Mouse, Rat**	**ELISA, Immunocytochemistry, Immunofluorescence, Western Blot**

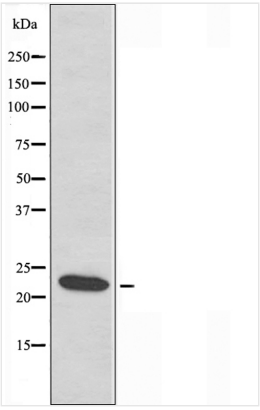
PRODUCT SYNONYMS

HSPB2; Polyclonal Antibody; HSPB2 Antibody; DMPK-binding protein; Heat shock 27kD protein 2; Heat shock 27kDa protein 2; Heat shock protein beta-2; Heat-shock protein beta-2; Hs.78846; HSP27; HspB2; HSPB2_HUMAN; LOH11CR1K; MGC133245; MKBP; anti-HSPB2 antibody

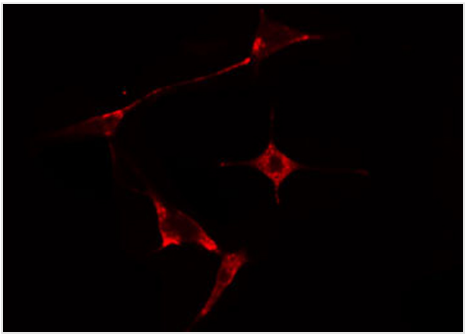
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	HSPB2 antibody detects endogenous levels of total HSPB2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	182
Applicable Applications for anti-HSPB2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytoplasm. Nucleus. Localizes to nuclear foci.
Tissue Specificity	Expressed preferentially in skeletal muscle and heart but not in the lens.
Predicted Cross Reactivity	**Pig, Bovine, Rabbit, Dog**
Similarity	Pig (100%), Bovine (100%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

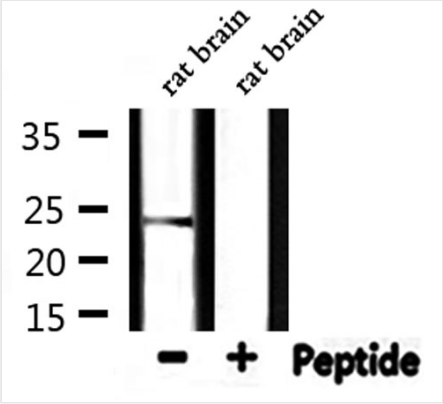
IMAGES



WB (Western Blot)
Western blot analysis of extracts from HepG2 cells using HSPB2 antibody.



IF (Immunofluorescence)
AAA324286 staining HepG2 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from rat brain, using HSPB2 Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-HSPB2 antibody	Function: May regulate the kinase DMPK. Subunit Structure: Interacts with DMPK; may enhance its kinase activity. Similarity: Belongs to the small heat shock protein (HSP20) family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504519
NCBI GeneID	3316
NCBI Accession #	NP_001532.1
NCBI GenBank Nucleotide #	NM_001541.3
UniProt Accession #	Q16082; Q6I9U7
Molecular Weight	Observed: 24 kD Predicted: 21 kDa
NCBI Official Full Name	heat shock protein beta-2
NCBI Official Synonym Full Names	heat shock protein family B (small) member 2
NCBI Official Symbol	HSPB2
NCBI Official Synonym Symbols	MKBP; HSP27; Hs.78846; LOH11CR1K

NCBI Protein Information	heat shock protein beta-2
UniProt Protein Name	Heat shock protein beta-2
UniProt Gene Name	**HSPB2**
UniProt Synonym Gene Names	HspB2; MKBP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/hspb2-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324286