

HSP β 2 rabbit pAb**Cat#: orb765454 (Manual)**

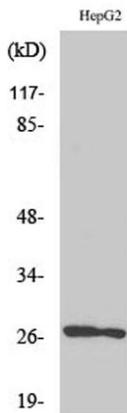
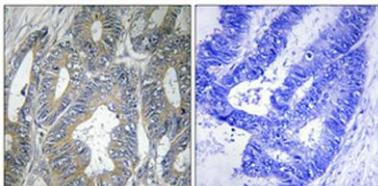
For research use only. Not intended for diagnostic use.

Product Name	HSP β 2 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human HSPB2. AA range:121-170
Specificity	HSP β 2 Polyclonal Antibody detects endogenous levels of HSP β 2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Heat shock protein beta-2
Gene Name	HSPB2
Cellular localization	Cytoplasm . Nucleus . Localizes to nuclear foci.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

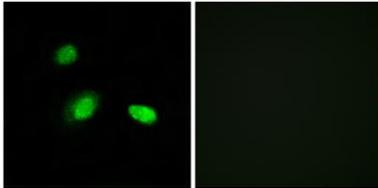
Concentration	1 mg/ml
Observed band	24kD
Human Gene ID	3316
Human Swiss-Prot Number	Q16082
Alternative Names	HSPB2; Heat shock protein beta-2; HspB2; DMPK-binding protein; MKBP

Background

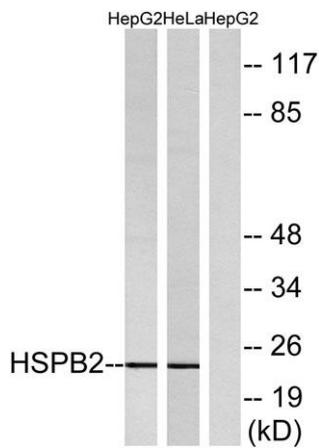
The protein encoded by this gene belongs to the superfamily of small heat-shock proteins containing a conservative alpha-crystallin domain at the C-terminal part of the molecule. The protein is expressed preferentially in the heart and skeletal muscle. This protein regulates Myotonic Dystrophy Protein Kinase, which plays an important role in maintenance of muscle structure and function. [provided by RefSeq, Dec 2012],

**Western Blot analysis of various cells using HSP β 2 Polyclonal Antibody**

Immunohistochemical analysis of paraffin-embedded Human colon cancer. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.



Immunofluorescence analysis of A549 cells, using HSPB2 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HepG2 and HeLa cells, using HSPB2 Antibody. The lane on the right is blocked with the synthesized peptide.