

## Product datasheet for **TA323152**

### HSPB2 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Human heart tissue lysate IHC: 100-200 Positive control: Human colorectal cancer Predicted cell location: Nucleus
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Full length fusion protein
Formulation:	PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	heat shock protein family B (small) member 2
Database Link:	<a href="#">NP_001532</a> <a href="#">Entrez Gene 69253 Mouse</a> <a href="#">Entrez Gene 161476 Rat</a> <a href="#">Entrez Gene 3316 Human</a> <a href="#">Q16082</a>

**Background:** Heat shock protein beta-2 is a protein that in humans is encoded by the HSPB2 gene. Alpha-B-crystallin is a member of the alpha-crystallin/small heat-shock protein (HSP) family and under various neuropathologic conditions accumulates in reactive astrocytes and degenerating neurons. In the 5-prime flanking region of the CRYAB gene on 11q22-q23; where a constitutive DNase I hypersensitive site is located HSPB2 has been shown to interact with TRAF6; HSPB8; Myotonic dystrophy protein kinase and CRYAB.



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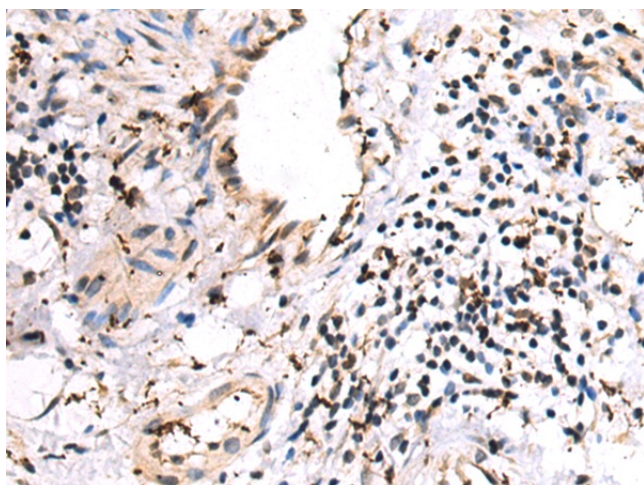
Synonyms: Hs.78846; HSP27; LOH11CR1K; MKBP

### Product images:

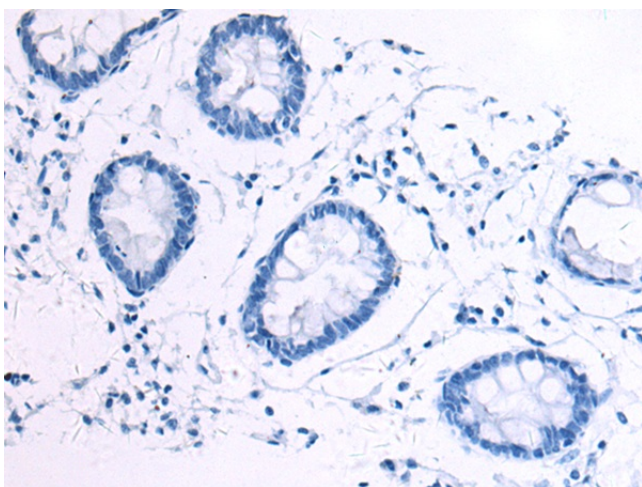
kDa  
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Gel: 8%SDS-PAGE  
Lysate: 40  $\mu$ g  
Lane: Human heart tissue lysate  
Primary antibody: TA323152 (HSPB2 Antibody) at dilution 1/800  
Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution  
Exposure time: 1 minute



Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using TA323152 (HSPB2 Antibody) at dilution 1/110 (Original magnification:  $\times$ 200)



Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using TA323152 (HSPB2 Antibody) at dilution 1/110, treated with fusion protein. (Original magnification: ×200)