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# HSPB6 Antibody (Center) Blocking Peptide

**Synthetic peptide**
**Catalog # BP9629c**

## Specification

### HSPB6 Antibody (Center) Blocking Peptide - Product Information

Primary Accession O14558

### HSPB6 Antibody (Center) Blocking Peptide - Additional Information

**Gene ID** 126393

**Other Names**
Heat shock protein beta-6, HspB6, Heat shock 20 kDa-like protein p20, HSPB6

**Format**
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

### HSPB6 Antibody (Center) Blocking Peptide - Protein Information

**Name** HSPB6

**Function**
Small heat shock protein which functions as a molecular chaperone probably maintaining denatured proteins in a folding- competent state. Seems to have versatile functions in various biological processes. Plays a role in regulating muscle function such as smooth muscle vasorelaxation and cardiac myocyte contractility. May regulate myocardial angiogenesis implicating KDR. Overexpression mediates cardioprotection and angiogenesis after induced damage. Stabilizes monomeric YWHAZ thereby supporting YWHAZ chaperone-like activity.

**Cellular Location**
Cytoplasm. Nucleus. Secreted Note=Translocates to nuclear foci during heat shock

### HSPB6 Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

### HSPB6 Antibody (Center) Blocking Peptide - Images

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## HSPB6 Antibody (Center) Blocking Peptide - Background

HSPB6 is associated with actin (see MIM 102540) and modulates smooth muscle relaxation (Tessier et al., 2003 [PubMed 12842460]).

## HSPB6 Antibody (Center) Blocking Peptide - References

Fuchs, M., et al. Biochem. J. 425(1):245-255(2010)Qian, J., et al. Circ. Res. 105(12):1223-1231(2009)Bagneris, C., et al. J. Mol. Biol. 392(5):1242-1252(2009)