

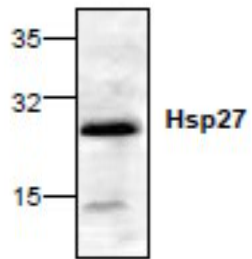
Hspb1

Rabbit Anti-Rat Hsp27 Affinity Purified pAb

Catalog No.	CPH102	Quantity:	100 µg
Alternate Names:	HSPB1, CMT2F, HS.76067, HSP27, HSP28, Hsp25		
Description:	<p>HSPB1 exhibits a chaperone-like activity by serving as a site where unfolding proteins may bind until ATP and HSP70-dependent refolding can occur. HSPB1 is believed to protect cells by enhancing cellular glutathione levels and elevated glutathione levels have been measured in cells overexpressing HSPB1. Data from studies using wild-type HSPB1 and mutant forms in which the serine phosphorylation sites were mutated to alanines, glycines or aspartates, have shown that cellular glutathione levels depend on the oligomerization of HSPB1. Recent findings indicate that HSPB1 is also a negative regulator of cytochrome c-dependent activation of procaspase-3.</p>		
Concentration:	0.5 mg/ml		
Gene ID:	24471		
Specificity:	The antibody detects 27 kDa rat Hsp27. Rat kidney tissue lysate can be used as a positive control.		
Host:	Rabbit		
Immunogen:	Synthetic peptide surrounding amino acid 193 or rat HSPB1		
Isotype:	IgG		
Formulation:	<p>100 µg (0.5 mg/ml) affinity purified rabbit polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol + 0.5% BSA + 0.01% thiomersal.</p> <p>Precaution: Thiomersal is a poisonous and hazardous substance which should be handled by trained staff only.</p>		
Purification:	Biospecific affinity chromatography		
Cross-Reactivity:	Rat		
Applications:	Western Blot		
Application Notes:	<p>For Western Blot, use a working dilution of 0.5-4 µg/ml. Rat kidney tissue lysate can be used as a positive control. Blocking Peptide (Cat. No. CPH102BP) is available separately. The optimal concentration should be determined by the user for each specific application.</p>		
Storage & Stability:	Store at -20°C or in working aliquots at -80°C for long term storage. Avoid repeated freeze-thaw cycles.		



Western Blot analysis of HSBP27 expression in rat tissue lysate



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Cell Sciences®
480 Neponset Street
Bldg 12A
Canton, MA 02021

Toll Free: 888-769-1246
Phone: 781-828-0610
Fax: 781-828-0542

E-mail: info@cellsciences.com
Website: www.cellsciences.com