

HSPE1 Polyclonal Antibody

Catalog NumberPA1-29794

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Bovine, Dog, Guinea pig, Human, Mouse, Sheep, Pig, Rabbit, Rat, Xenopus
Host/Isotope	Rabbit / IgG		
Class	Polyclonal	Tested Applications	Dilution *
Type	Antibody	Immunohistochemistry (IHC)	1:400
Immunogen	synthetic peptide RDGDILGKYVD conjugated to KLH, corresponding to amino acids 91-101 of Human Cpn10.	Immunoprecipitation (IP)	1:100
Conjugate	Unconjugated	Radioimmune Assays (RIA)	1:100,000
Form	Liquid	Western Blot (WB)	1:2,000
Concentration	Conc. Not Determined	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Storage buffer	whole serum/PBS, pH 7.2, with 50% glycerol		
Contains	0.09% sodium azide		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Recommended positive controls: HeLa Heat Shocked Cell LysateRecombinant Human Chaperonin 10 Protein.

Background/Target Information

The heat shock proteins (HSPs) comprise a group of highly conserved, abundantly expressed proteins with diverse functions, including the assembly and sequestering of multiprotein complexes, transportation of nascent polypeptide chains across cellular membranes and regulation of protein folding. Heat shock proteins (also known as molecular chaperones) fall into six general families: HSP 90, HSP 70, HSP 60, the low molecular weight HSPs, the immunophilins and the HSP 110 family. The low molecular weight family includes HSP 10, HSP 20, HSP 27 (Heme Oxygenase 1), HSP 32 and HSP 40. Chaperonins are ubiquitous, indispensable proteins that facilitate protein folding in an ATP-dependent manner, enhancing the yield of properly folded substrate protein under conditions where spontaneous folding does not occur. Chaperonins are typified by the E. coli heat-shock proteins GroEL and GroES (HSP 10). HSP 10 is a heptameric ring of identical 10 kDa subunits that binds to each end of GroEL to form a symmetric, functional heterodimer.

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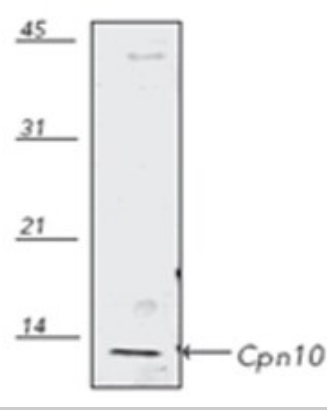
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Product Images For HSPE1 Polyclonal Antibody

HSPE1 Antibody (PA1-29794) in WB
Western blot analysis of human HeLa (heat shocked) cell lysate, probed with HSPE1 Polyclonal Antibody (Product # PA1-29794).



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