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Data Sheet ST1005 Rev. 31-January-07 RFH



PhosphoDetect™ Anti-Hsp27 (pSer¹⁵) (10-21) Rabbit pAb Cat. No. ST1005

Note that this data sheet is not lot-specific and is representative of the current specifications for this product. Please consult the vial label and the certificate of analysis for information on specific lots. Also note that shipping conditions may differ from storage conditions. Full details are available at www.calbiochem.com.

Size:	100 µg
Applications:	Immunocytochemistry (4 µg/ml) Paraffin Sections (4 µg/ml) Immunoblotting (not recommended)
Description:	Immunoaffinity purified rabbit polyclonal antibody. Recognizes the ~27 kDa Hsp27 protein phosphorylated at Ser ¹⁵ .
Background:	Hsp27 is reported to be phosphorylated at Ser ¹⁵ by MAP kinase-activated protein kinase 2 in response to growth factors and heat shock.
Host:	Rabbit
Immunogen:	A synthetic phosphopeptide (LLRGPpSWDPFRC) corresponding to amino acids 10-21 surrounding the Ser ¹⁵ phosphorylation site of human Hsp27
Isotype:	IgG
Known Species Reactivity:	Human, rat
Positive Control:	Heat-shocked HeLa cells
Form:	Liquid
Formulation:	In PBS, 1 mg/ml BSA. Please see label for lot-specific concentration.
Preservative:	≤0.1% sodium azide
Storage:	FREEZER (-20°C). Avoid freeze/thaw.
Toxicity:	MSDS available upon request.
Special Instructions:	Following initial thaw, aliquot and freeze (-20°C).
Comments:	Does not recognize unphosphorylated Hsp27. Antibody should be titrated for optimal results in individual systems.
References:	Butt, E., et al. 2001. <i>J. Biol. Chem.</i> 276 , 7108. Lambert, H., et al. 1999. <i>J. Biol. Chem.</i> 274 , 9378.

Tel (800) 628-8470
technical@calbiochem.com

Freephone 0800 100 3496
techservice@merckbiosciences.de

UK Freephone 0800 622935
Ireland Toll Free 1800 409445
techservice@merckbiosciences.co.uk

Contact Your Local Distributor
www.calbiochem.com
technical@calbiochem.com

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www.calbiochem.com

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