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orders & support:

hsp27 (phospho-Ser 82)

clone 5B9

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Order No.:			0117-100/hsp27-5B9						
Size (µg)			100						
Lot No.:			0117S				03/08050)7F	
Isotype	Species	Reactivity	Applications	Mol. Weight	Ref.Cell Line	Epitope		Immunogen	
lgG2a	human, dog	mouse, rat	, WB, IHC	27 kDa	HepG2	Phosphoserir R Q L pS S G		phosphopeptide conjugated to KLH	
Backgrour	nd and Sp	<u>pecificity:</u>					Related Pro	oducts	
The small heat shock protein hsp27 is constitutively expressed in most cell lines. The expression level is increased in response to environmental stress. Activation of the p38 kinases results in subsequent activation of MAPKAP2 that phosphorylates hsp27 at Ser15, Ser78 and Ser82. Mab hsp27-5B9 specifically interacts with hsp27 phosphorylated at serine 82 and does not crossreact with the non-phosphorylated hsp27 nor with unrelated serine-phosphorylated proteins. The antibody is suitable for Western blot applications.							biotinylated r hsp27 (phosp #0117-100BIOTIN	oho-Ser 82)	
suex		supe exclu	The antibody was purified from serum-free cell culture supernatant by subsequent thiophilic adsorption and size exclusion chromatography.						
S			yophilized from 1 ml PBS / 0.09 % Na-azide / PEG and Sucrose.						
			Reconstitute with 1 ml H_2O (15 min, RT).						
Stability:For long-term storage, freeze lyophilizate upon arrival (-20°C). Upon reconstitution, aliquote and freeze in liquid nitrogen; reconstituted antibody can be stored frozen at -80°C up to 1 year. Thaw aliquots at 37°C. Thawed aliquots may be stored at 4°C up to 3 months.									
	Avoid repeated freeze / thaw cycles.						1	2345678	
Positive Co	itive Control: #0813: Cell lysate from EGF-treated HepG2 cells								
Immunoble	otting:	Rec bloc	5 µg/ml for HRPO/ECL detection ecommended blocking buffer: Casein/Tween 20 based ocking and blot incubation buffer, e.g. nanoTools product 3031-500/CPPT or #3031-3000/CPPT.				45 — 31 — 21.5 —		
Immunopre	ecipitatio	n: ND					hsp 27 activation		
Immunocytochemistry: ND Serum starved EGF for the ind with lysis buffer							EGF for the indicat with lysis buffer V1	bG2 cells were incubated with 10 ng/ml ted times. Whole cell lysates were prepared 9 and separated by SDS-PAGE	
ELISA:		ND	1D				(ca 20.000 cells/lane). Immunoblots were probed with mab hsp27-5B9 (0.5 μ g/ ml) for 1h at RT and developed by EC (exp. time: 30 sec).		

All products are supplied for research and investigational use only. Not for use in humans or laboratory animals.

lane 1: control; lane 2: 5 min EGF; lane 3: 15 min EGF; lane 4: 30 min EGF; lane 5: 1h EGF;lane 6; 2h EGFlane 7: 4h EGF; lane 8: 8h EGF