

# Immunotag™ Phospho-HSP27 (Ser15) Antibody

Antibody Specification	
Catalog No.	ITA0852
Product Description	Immunotag™ Phospho-HSP27 (Ser15) Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	Phospho-HSP27 (Ser15)
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,IF/ICC,ELISA
Recommended Dilution	WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human HSP27 around the phosphorylation site of Serine 15
Specificity	Phospho-HSP27 (Ser15) Antibody detects endogenous levels of HSP27 only when phosphorylated at Serine 15
Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form	PBS, pH 7.4,50% glycerol.
Gene Name	HSPB1
Accession No.	P04792

## Antibody Specification

Alternate Names	Heat shock 27kDa protein; 28 kDa heat shock protein; CMT2F; DKFZp586P1322; epididymis secretory protein Li 102; Estrogen regulated 24 kDa protein; Estrogen-regulated 24 kDa protein; Heat shock 25kDa protein 1; Heat shock 27 kDa protein; Heat shock 27kD protein 1; Heat shock 27kDa protein 1; Heat shock 28kDa protein 1; Heat Shock Protein 27; Heat shock protein beta 1; Heat shock protein beta-1; heat shock protein family B (small) member 1; HEL-S-102; HMN2B; HS.76067; Hsp 25; HSP 27; Hsp 28; Hsp B1; Hsp25; HSP27; Hsp28; HspB1; HSPB1_HUMAN; SRP27; Stress responsive protein 27; Stress-responsive protein 27;
Description	Small heat shock protein which functions as a molecular chaperone probably maintaining denatured proteins in a folding-competent state (PubMed:10383393, PubMed:20178975). Plays a role in stress resistance and actin organization (PubMed:19166925). Through its molecular chaperone activity may regulate numerous biological processes including the phosphorylation and the axonal transport of neurofilament proteins (PubMed:23728742).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	27kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.