Ablumir
Built Around Immunology

Anti-Hsp27 Rabbit mAb [77F50]

Catalog No.: A52174

Basic Information

Catalog No. (Cat.No.)	A52174
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IP,IF,ELISA
Synonyms	Hsp27,HSP27,HSPB1,Heat shock protein beta-1

Product Information

Target	Hsp27
Molecular Weight(Calculated)	23 kDa
Molecular Weight(Observed)	27 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	77F50
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

Ablumir
Built Around Immunology

Product Usage Information

Application	Dilution
WB	1:2000-1:10000
IHC	1:200-1:1000
IP	1:50-1:200
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Heat-shock protein-27
Gene Name	*HSPB1*
Domain	NA
Background	HSP27 (Heat shock protein 27) belongs to the small heat-shock protein (sHSP) family and resides mainly in cytoplasm, forming oligomeric complexes for chaperone activity. It binds denatured polypeptides and prevents irreversible protein aggregation to shield cells from heat shock, oxidative stress and cytotoxic insults. HSP27 participates in cytoskeleton remodeling and anti-apoptotic regulation to control cell survival and migration. Phosphorylation remodels its oligomer assembly and switches biological activities. Elevated HSP27 is frequently detected in multiple malignancies, correlating with metastasis and chemoresistance; it also contributes to inflammation and neuronal injury.