

AB-NN056-2

HSP25/HSP27 Antibody

Pan-specific monoclonal antibody (8A7) for monitoring the expression of human heat shock protein HSP25/HSP27



KINEXUS

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Target Protein

Name Long:	Heat shock protein beta-1 (HSP25/HSP27)
Alias:	HSPB2, Heat shock protein beta-2, HSPB2, DMPK-binding protein, MKBP
UniProt ID:	P04792 - Human
Human Predicted Mass (KDa):	22.783 (205 AA; P04792-1)
Observed SDS-PAGE Mass (KDa):	25

Immunogen

Antibody Immunogen Source:	HSP27 peptide
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Production

Antibody Host Species:	Mouse
Antibody Type:	Monoclonal
Antibody Ig Isotype Clone Lot:	115 IgG1Kappa
Antibody Purification:	Protein G purified
Amount:	25 µg
Antibody Concentration:	1 mg/ml
Lot Number:	15DE1
Storage Buffer:	Phosphate buffered saline pH 7.4, 50% glycerol, 0.09% sodium azide
Storage Conditions and Stability:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

Applications

Product Use:	WB IHC ICC/IF IP
Antibody Dilution Recommended:	WB (1:5000), ICC/IF (1:200), IHC (1:100); optimal dilutions for assays should be determined by the user.
Antibody Species Reactivity:	Human Mouse Rat Bovine Dog Guinea pig Hamster
Antibody Positive Control:	A 1:5000 dilution of SMC-114 was sufficient for detection of HSP27 in 20 µg of HeLa cell lysate by ECL immunoblot analysis.
Target Detection Immunoblotting:	Detects a ~25 kDa protein (HSP25) and ~27 kDa (HSP27) proteins.
Antibody Cross Reactivities:	Antibody cross-reacts with alpha B crystallin.

This product is for in vitro research use only and is not intended for use in humans or animals.

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