Product Datasheet

HSP27 [p Ser86] Antibody
NSB536

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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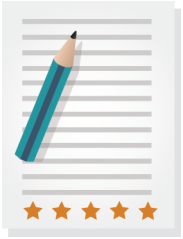


NSB536

HSP27 [p Ser86] Antibody

Product Information

Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Purity	Immunogen affinity purified
Buffer	Dulbecco's PBS (pH 7.3), 1.0 mg/ml and 50% Glycerol

Product Description

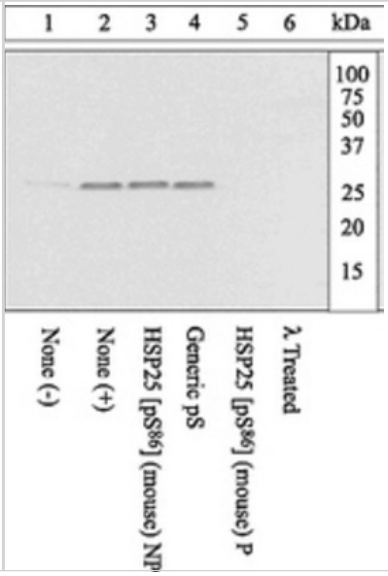
Host	Rabbit
Gene ID	3315
Gene Symbol	HSPB1
Species	Mouse
Reactivity Notes	Mouse HSP25. Endogenous human HSP27 phosphorylated at serine 82 (HeLa cells treated with TNF-a) was weakly detected by this antibody.
Specificity/Sensitivity	HSP25 Phosphospecific [Ser86]
Immunogen	The antiserum was produced against a chemically synthesized phosphopeptide derived from a region of mouse HSP25 that contains serine 86.

Product Application Details

Applications	Western Blot
Recommended Dilutions	Western Blot
Application Notes	The antibody has been used for Western blotting 1:1000. The optimal antibody concentration should be determined empirically for each specific application.

Images

Peptide Competition Lysates prepared from NIH3T3 cells left unstimulated (1) or treated with anisomycin (2-6) were resolved by SDS-PAGE on a 10% polyacrylamide gel and transferred to PVDF. Membranes were left untreated (1-5) or treated with lambda (l) phosphatase (6), blocked with a 5% BSA-TBST buffer for one hour at room temperature, and incubated with HSP25 [pS86] (mouse) antibody for one hour at room temperature in 3% BSA-TBST buffer, following prior incubation with: no peptide (1, 2, 6), the non-phosphopeptide corresponding to the immunogen (3), a generic phosphoserine-containing peptide (4), or, the phosphopeptide immunogen (5). After washing, membranes were incubated with goat F(ab)2 anti-rabbit IgG HRP conjugate in 3% BSA-TBST buffer, and bands were detected using the Pierce SuperSignal(TM) method. The data show that only the peptide corresponding to HSP25 [pS86] (mouse) blocks the antibody signal, thereby demonstrating the specificity of the antibody. The signal was completely removed by l phosphatase treatment demonstrating that the antibody interacts specifically with the phosphorylated protein.



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Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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