

# Product Datasheet

## HSPB8/HSP22 Antibody (3C12-H11) NBP1-48303

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP1-48303**

HSPB8/HSP22 Antibody (3C12-H11)

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	3C12-H11
Preservative	0.09% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	PBS (pH 7.4), 50% Glycerol
Product Description	
Host	Mouse
Gene ID	26353
Gene Symbol	HSPB8
Species	Human, Mouse, Rat
Specificity/Sensitivity	Detects approx 22kDa. Does not cross react with alpha crystallin.
Immunogen	His-tagged human recombinant HSP22
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:2000, ELISA, Immunohistochemistry 1:100, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 1:10-1:500
Application Notes	1 ug/ml of HSP22 Antibody was sufficient for detection of HSP22 in 20 ug of whole rat tissue extract by ECL immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary Antibody.



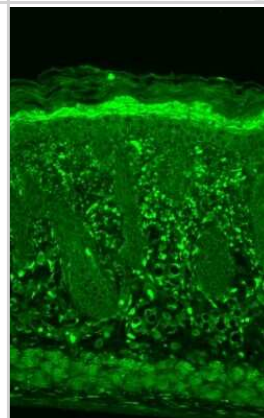
## Images

**Western Blot: HSPB8/HSP22 Antibody (3C12-H11) [NBP1-48303]** - Western Blot analysis of Rat Cell lysates showing detection of Hsp22 protein using Mouse Anti-Hsp22 Monoclonal Antibody, Clone 3C12-H11 (NBP1-48303). Load: 15 ug. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Mouse Anti-Hsp22 Monoclonal Antibody (NBP1-48303) at 1:1000 for 2 hours at RT. Secondary Antibody: Sheep Anti-Mouse IgG: HRP for 1 hour at RT.

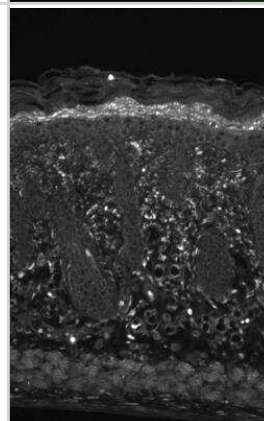
156→  
106→  
79.68→  
48.33→  
37.81→  
23.27→  
18.19→  
14.17→



**Immunohistochemistry: HSPB8/HSP22 Antibody (3C12-H11) [NBP1-48303]** - Immunohistochemistry analysis using Mouse Anti-Hsp22 Monoclonal Antibody, Clone 3C12-H11 (NBP1-48303). Tissue: backskin. Species: Mouse. Fixation: Bouin's Fixative and paraffin-embedded. Primary Antibody: Mouse Anti-Hsp22 Monoclonal Antibody (NBP1-48303) at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT. Localization: Granular layer of the epidermis. Some dermal staining.



**Immunohistochemistry-Paraffin: HSPB8/HSP22 Antibody (3C12-H11) [NBP1-48303]** - Mouse backskin sections. Courtesy of Dr. Turksen, Ottawa Hospital Research Institute.





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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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