

# Product Datasheet

## AlphaB Crystallin/CRYAB [p Ser19] Antibody NB120-5597

Unit Size: 0.05 mg

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

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**NB120-5597**

AlphaB Crystallin/CRYAB [p Ser19] Antibody

Product Information	
Unit Size	0.05 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS and 3% BSA
Target Molecular Weight	20 kDa

Product Description	
Host	Rabbit
Gene ID	1410
Gene Symbol	CRYAB
Species	Human, Mouse, Rat, Bovine
Reactivity Notes	Cross-reacts with Cow, Human, Mouse and Rat. Not yet tested in other species.
Specificity/Sensitivity	NB120-5597 detects phospho-alpha-B crystallin (Ser19) from bovine, human, mouse and rat samples. This does not detect the unphosphorylated form of the protein.
Immunogen	Synthetic peptide: FFPFHSPSRLFD, corresponding to amino acids 14-25 of Human Crystallin (alpha B).

Product Application Details	
Applications	Western Blot, Immunocytochemistry/Immunofluorescence
Recommended Dilutions	Western Blot, Immunocytochemistry/Immunofluorescence 5 ug/ml
Application Notes	WB: Detects a band of approximately 20 kDa representing phospho-alpha-B crystallin (Ser19) from human cell extract. Immunofluorescence staining of phospho-alpha-B crystallin (Ser19) in U373 MG cells results in cytoplasmic staining. Optimal dilutions/concentrations should be determined by the end user.

**Publications**

Dong Y, Dong Z, Kase S et al. Phosphorylation of alphaB-crystallin in epiretinal membrane of human proliferative diabetic retinopathy. Int J Ophthalmol. 2016-09-02 [PMID: 27588262] (Human)





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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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