

# 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**

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

**Product Description**

<b>Host</b>	Rabbit
<b>Gene ID</b>	1410
<b>Gene Symbol</b>	CRYAB
<b>Species</b>	Human, Mouse, Rat, Bovine
<b>Reactivity Notes</b>	Cross-reacts with Cow, Human, Mouse and Rat. Not yet tested in other species.
<b>Specificity/Sensitivity</b>	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.
<b>Immunogen</b>	Synthetic peptide: FFPFHSPSRLFD, corresponding to amino acids 14-25 of Human Crystallin (alpha B).

**Product Application Details**

<b>Applications</b>	Western Blot, Immunocytochemistry/Immunofluorescence
<b>Recommended Dilutions</b>	Western Blot, Immunocytochemistry/Immunofluorescence 5 ug/ml
<b>Application Notes</b>	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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