

# Product Datasheet

## RPE65 Antibody (401.8B11.3D9) [Alexa Fluor® 488] NB100-355AF488

Unit Size: 0.2 ml

Store at 4C in the dark.

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**NB100-355AF488**

RPE65 Antibody (401.8B11.3D9) [Alexa Fluor® 488]

Product Information	
Unit Size	0.2 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	401.8B11.3D9
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Conjugate	Alexa Fluor 488
Purity	Protein G purified
Buffer	50mM Sodium Borate

Product Description	
Host	Mouse
Gene ID	6121
Gene Symbol	RPE65
Species	Human, Mouse, Rat, Porcine, Bovine, Canine, Chicken, Primate, Xenopus
Reactivity Notes	Primate reactivity reported in scientific literature (PMID: 31660416).
Marker	Retinal Pigment Epithelium Marker
Immunogen	This RPE65 Antibody (401.8B11.3D9) was developed against bovine RPE65 microsomal membrane proteins. [UniProt# Q28175]
Notes	Alexa Fluor (R) products are provided under an intellectual property license from Life Technologies Corporation. The purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components, or any materials made using the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components: (i) in manufacturing; (ii) to provide a service, information, or data in return for payment; (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, CA 92008 USA or <a href="mailto:outlicensing@lifetech.com">outlicensing@lifetech.com</a> . This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.

Product Application Details	
Applications	Western Blot, Simple Western, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, In vivo assay, Immunoprecipitation, CyTOF-ready, Immunofluorescence, Knockout Validated
Recommended Dilutions	Western Blot, Simple Western, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen, In vivo assay, Immunofluorescence, CyTOF-ready, Knockout Validated



**Application Notes**

Optimal dilution of this antibody should be experimentally determined.

**Images**

Product Image: RPE65 Antibody (401.8B11.3D9) [Alexa Fluor® 488] [NB100-355AF488] - Vial of Alexa Fluor 488 conjugated antibody. Alexa Fluor 488 is optimally excited at 490 nm by the Blue laser (488 nm) and has an emission maximum of 525 nm.

**Publications**

Jang HK, Jo DH, Lee SN Et al. High-purity production and precise editing of DNA base editing ribonucleoproteins Science advances 2021-08-01 [PMID: 34452911]

Wu J, Cho CS, Jo DH, Kim JH Application of Base Editor-Mediated Genome Editing in Mouse Retina Methods in molecular biology (Clifton, N.J.) 2023-01-02 [PMID: 36592316]

Jo DH, Jang HK, Cho CS et al. Visual function restoration in a mouse model of Leber congenital amaurosis via therapeutic base editing Molecular therapy. Nucleic acids 2023-03-14 [PMID: 36589710] (IHC-P, Mouse)

Details:

Dilution used in IHC-P 1:100

Shani S The implication of cell-derived microvesicles in retinal pigment epithelium degeneration Thesis 1905-07-11 (IF/IHC, Human)



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### **Products Related to NB100-355AF488**

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IC002G	Mouse IgG1 Isotype Control (11711) [Alexa Fluor® 488]
NB100-355AF647	RPE65 Antibody (401.8B11.3D9) [Alexa Fluor® 647]
1129-ER-050	ErbB2/Her2 [Unconjugated]
NB300-223	Vimentin Antibody

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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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