

# Product Datasheet

## BirA Antibody (5B11c3-3) - BSA Free NBP2-59939

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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**NBP2-59939**

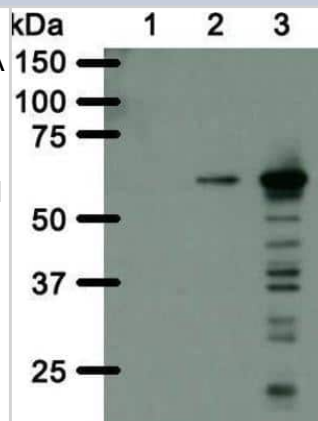
BirA Antibody (5B11c3-3) - BSA Free

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	5B11c3-3
Preservative	0.02% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A purified
Buffer	PBS
Target Molecular Weight	35 kDa
Product Description	
Host	Mouse
Gene ID	948469
Gene Symbol	birA
Species	E. coli
Specificity/Sensitivity	The antibody recognises the C-terminal half of E.coli BirA; the antibody recognised the BirA variant miniTurbo; not tested for TurboID or other BirA derivate.
Immunogen	GST fused to E.coli BirA R118G
Product Application Details	
Applications	Western Blot, Immunocytochemistry/Immunofluorescence
Recommended Dilutions	Western Blot 1:100 - 1:2000, Immunocytochemistry/Immunofluorescence 1:10 - 1:500
Application Notes	This antibody recognises the C-terminal half residues 151-321 of E.coli BirA. Positive Control: Cells overexpressing an E.coli BirA construct

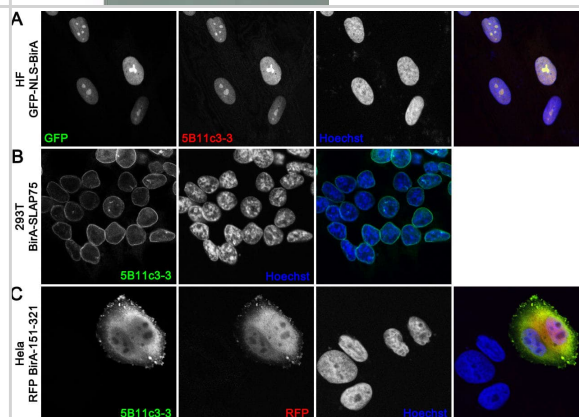


## Images

Western Blot: BirA Antibody (5B11c3-3) [NBP2-59939] - Analysis in total cell lysate of parental HF (lane 1) or HF stably expressing GFP-NLS-BirA without (lane 2) or with induced expression (lane 3) were transferred to a nitrocellulose membrane and blotted for BirA with NBP2-59939. Both primary and secondary antibodies were diluted in blocking buffer (5% nonfat dry milk resuspended in 0.1% Tween and 1X PBS). The predicted GFP-NLS-BirA molecular weight is 66kDa.



Immunocytochemistry/Immunofluorescence: BirA Antibody (5B11c3-3) [NBP2-59939] - Confocal images of cells expressing BirA-tagged constructs. (A) Human fibroblasts (HF) stably expressing green fluorescence protein (GFP) fused to a nuclear localization signal (NLS) and BirA (GFP-NLS-BirA), (B) HEK293 stably expressing BirA tagged to a nuclear envelope protein SLAP75 (BirA-SLAP75) and (C) Hela cells transfected with red fluorescent protein fused to BirA amino acid residues 151-321 (RFP-BirA 151-321) were fixed in 4% PFA (A, C) or cold methanol (B) and stained for BirA with NBP2-59939. The nuclei were visualized with Hoechst.



## Publications

Witzenberger M, Burczyk S, Settele D et al. Human TRMT2A methylates tRNA and contributes to translation fidelity bioRxiv 2022-12-30 [PMID: 37395448] (ICC/IF)

Klein S, Stern D, Seeber F Expression of in vivo biotinylated recombinant antigens SAG1 and SAG2A from *Toxoplasma gondii* for improved seroepidemiological bead-based multiplex assays BMC Biotechnol 2020-10-07 [PMID: 33023547]

Ramirez J, Morales M, Osinalde N et al. The ubiquitin ligase Ariadne-1 regulates neurotransmitter release via ubiquitination of NSF The Journal of biological chemistry 2021-02-10 [PMID: 33581113] (WB)

Creed TM, Baldeosingh R, Eberly CL et al. The PAX-SIX-EYA-DACH network modulates GATA-FOG function in fly hematopoiesis and human erythropoiesis Development 2020-01-03 [PMID: 31806659]



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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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