

# Product Datasheet

## BirA Antibody (6C4c7) - BSA Free NBP2-59938-0.025mg

Unit Size: 0.025 mg

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

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**NBP2-59938-0.025mg**

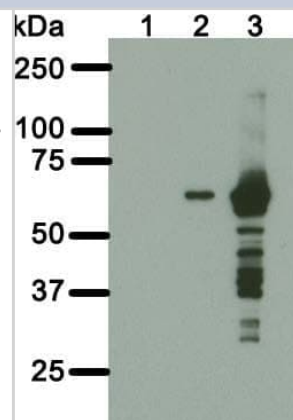
BirA Antibody (6C4c7) - BSA Free

Product Information	
Unit Size	0.025 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	6C4c7
Preservative	0.02% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A purified
Buffer	PBS
Product Description	
Host	Mouse
Gene ID	948469
Gene Symbol	birA
Species	E. coli, Yeast
Reactivity Notes	Yeast reactivity reported in scientific literature (PMID:32877643).
Specificity/Sensitivity	Specificity of e. coli BirA antibody verified on a Protein Array containing target protein plus 383 other non-specific proteins.
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	Positive control(s): Cells overexpressing an E.coli BirA construct

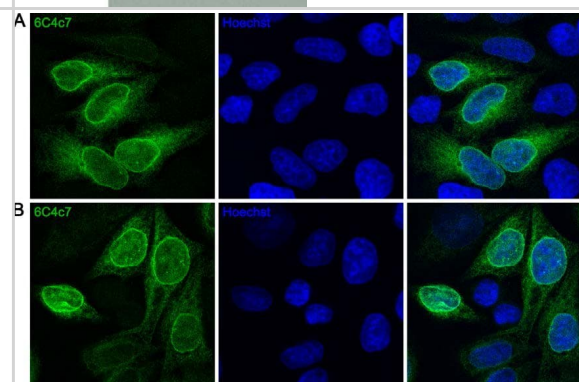


## Images

Western Blot: BirA Antibody (6C4c7) [NBP2-59938] - Total cell lysate of parental human fibroblasts (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 NBP2-59938. The predicted GFP-NLS-BirA molecular weight is 66kDa.



Immunocytochemistry/Immunofluorescence: BirA Antibody (6C4c7) [NBP2-59938] - HeLa cells stably expressing a BirA tagged TorsinAE171Q were fixed in (A) 4% PFA or (B) cold methanol and stained with anti-BirA 6C4c7 monoclonal antibody (green). The nuclei were counter-stained with Hoechst.



## Publications

Raisch J, Dubois ML, Groleau M et al. Pulse-SILAC and interactomics reveal distinct DDB1-CUL4 associated factors (DCAFs), cellular functions, and protein substrates Molecular & cellular proteomics : MCP 2023-09-07 [PMID: 37689310] (ICC/IF, WB, Human)

UCkun E, Siaw JT, Guan J Et al. BioID-Screening Identifies PEAK1 and SHP2 as Components of the ALK Proximitome in Neuroblastoma Cells Journal of molecular biology 2021-07-15 [PMID: 34273398] (ICC/IF, WB)

Salvatori R, Aftab W, Forne I et al. Mapping protein networks in yeast mitochondria using proximity-dependent biotin identification coupled to proteomics STAR protocols 2020-12-18 [PMID: 33377112] (WB)

Singh AP, Salvatori R, Aftab W et al. Molecular Connectivity of Mitochondrial Gene Expression and OXPHOS Biogenesis Mol. Cell 2020-08-04 [PMID: 32877643] (WB, Yeast)



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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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