

# Product Datasheet

## BMAL1 Antibody (OTI1C11) NBP2-02544

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

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Updated 9/9/2025 v.20.1

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**NBP2-02544****BMAL1 Antibody (OT11C11)**

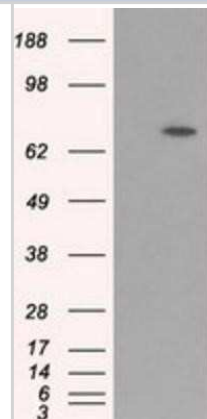
<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	OT11C11
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH 7.3), 1.0% BSA and 50% Glycerol
<b>Target Molecular Weight</b>	68.5 kDa

<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse BMAL1 Antibody (OT11C11) (NBP2-02544) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. Anti-BMAL1 Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	406
<b>Gene Symbol</b>	BMAL1
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	Mouse reactivity reported in scientific literature (PMID: 31300350). Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
<b>Immunogen</b>	Full length human recombinant protein of human ARNTL(NP_001169) produced in HEK293T cell.

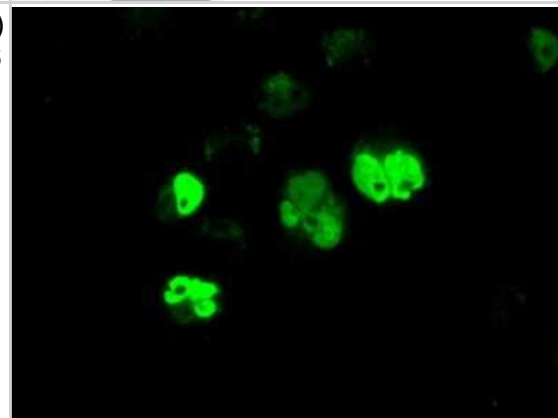
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
<b>Recommended Dilutions</b>	Western Blot 1:2000, Immunohistochemistry 1:50, Immunocytochemistry/Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:50, Immunohistochemistry-Frozen Reported in scientific literature (PMID: 31300350).

## Images

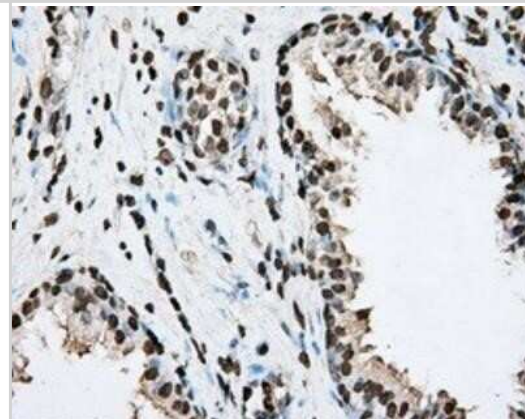
Western Blot: BMAL1 Antibody (OTI1C11) [NBP2-02544] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY BMAL1 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-BMAL1.



Immunocytochemistry/Immunofluorescence: BMAL1 Antibody (OTI1C11) [NBP2-02544] - Staining of COS7 cells transiently transfected by pCMV6-ENTRY ARNTL .



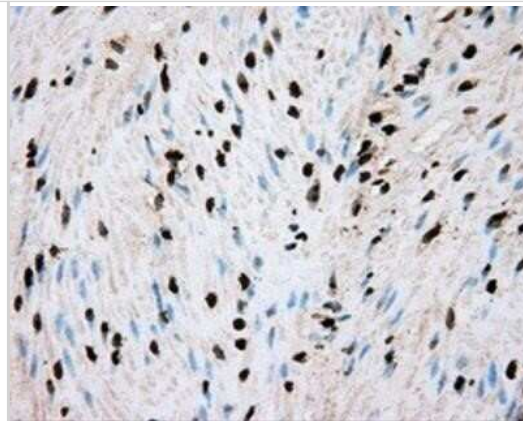
Immunohistochemistry-Paraffin: BMAL1 Antibody (OTI1C11) [NBP2-02544] - Staining of paraffin-embedded Carcinoma of prostate tissue using anti-BMAL1 mouse monoclonal antibody.



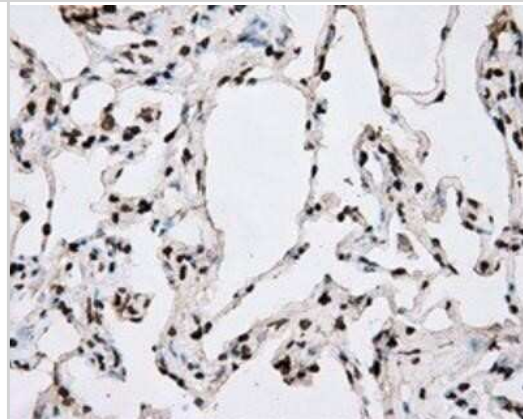
Immunohistochemistry-Paraffin: BMAL1 Antibody (OTI1C11) [NBP2-02544] - Staining of paraffin-embedded Adenocarcinoma of ovary tissue N93ing anti-BMAL1 mouse monoclonal antibody.



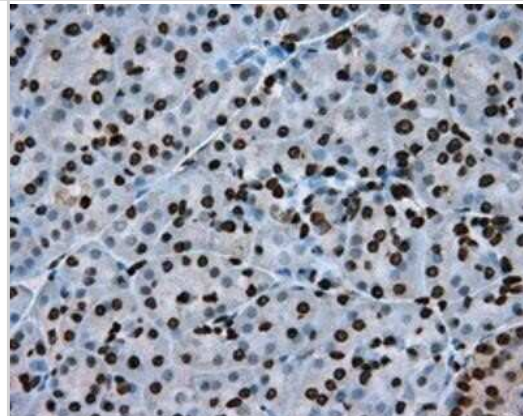
Immunohistochemistry-Paraffin: BMAL1 Antibody (OTI1C11) [NBP2-02544] - Staining of paraffin-embedded colon tissue using anti-BMAL1 mouse monoclonal antibody.



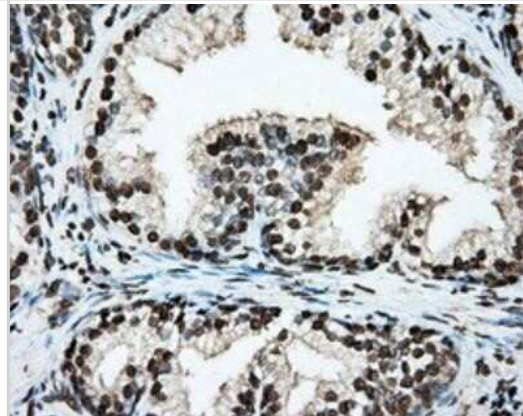
Immunohistochemistry-Paraffin: BMAL1 Antibody (OTI1C11) [NBP2-02544] - Staining of paraffin-embedded lung tissue using anti-BMAL1 mouse monoclonal antibody.



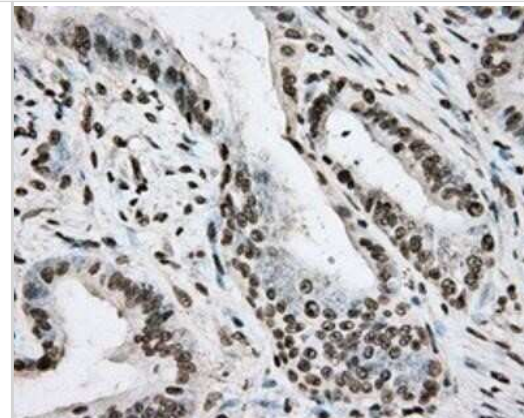
Immunohistochemistry-Paraffin: BMAL1 Antibody (OTI1C11) [NBP2-02544] - Staining of paraffin-embedded pancreas tissue using anti-BMAL1 mouse monoclonal antibody.



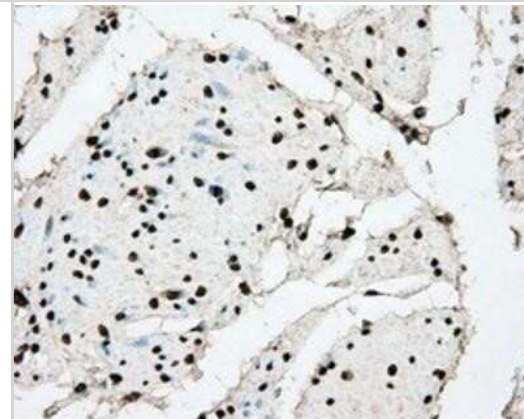
Immunohistochemistry-Paraffin: BMAL1 Antibody (OTI1C11) [NBP2-02544] - Staining of paraffin-embedded prostate tissue using anti-BMAL1 mouse monoclonal antibody.



Immunohistochemistry-Paraffin: BMAL1 Antibody (OTI1C11) [NBP2-02544] - Staining of paraffin-embedded Adenocarcinoma of colon tissue using anti-BMAL1 mouse monoclonal antibody.



Immunohistochemistry-Paraffin: BMAL1 Antibody (OTI1C11) [NBP2-02544] - Staining of paraffin-embedded bladder tissue using anti-BMAL1 mouse monoclonal antibody.



## Publications

Kaneshiro K, Nakagawa K, Tsukamoto H et al. The clock gene Bmal1 controls inflammatory mediators in rheumatoid arthritis fibroblast-like synoviocytes Biochemical and biophysical research communications 2023-11-24 [PMID: 38043198]

Vorgelegt V, Wen W Expression and function of blood receptors ROR $\gamma$ , REVERBA and BMAL1 in human colorectal cancer Thesis 2022-01-01 (IHC)

Liu T, Wang Z, Ye L et al. Nucleus-exported CLOCK acetylates PRPS to promote de novo nucleotide synthesis and liver tumour growth Nature cell biology 2023-01-16 [PMID: 36646788] (WB, Human)

He M, Li L, Li J et al. rs2253820 Variant Controls Blood Pressure Dip After Stroke by Increasing CLOCK-BMAL1 Expression Translational stroke research 2022-07-23 [PMID: 35870088] (IHC-P, WB, Rat)

Aroca-Siendones MI, Moreno-SanJuan S, Puentes-Pardo JD Et al. Core Circadian Clock Proteins as Biomarkers of Progression in Colorectal Cancer Biomedicines 2021-08-06 [PMID: 34440171] (IHC-P, Human)

Burgermeister E, Battaglin F, Eladly F et al. Aryl hydrocarbon receptor nuclear translocator-like (ARNTL/BMAL1) is associated with bevacizumab resistance in colorectal cancer via regulation of vascular endothelial growth factor A EBioMedicine 2019-07-01 [PMID: 31300350] (IHC-Fr, WB, Mouse)



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP2-02544**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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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