

Product Datasheet

BMAL1 Antibody (OTI1C11)

NBP2-02544

Unit Size: 0.1 ml

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

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NBP2-02544**BMAL1 Antibody (OTI1C11)****Product Information**

Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OTI1C11
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.3), 1.0% BSA and 50% Glycerol
Target Molecular Weight	68.5 kDa

Product Description

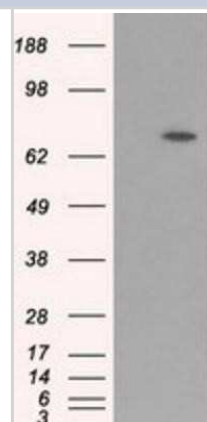
Host	Mouse
Gene ID	406
Gene Symbol	BMAL1
Species	Human, Mouse, Rat
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 31300350). Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and 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.
Immunogen	Full length human recombinant protein of human ARNTL(NP_001169) produced in HEK293T cell.

Product Application Details

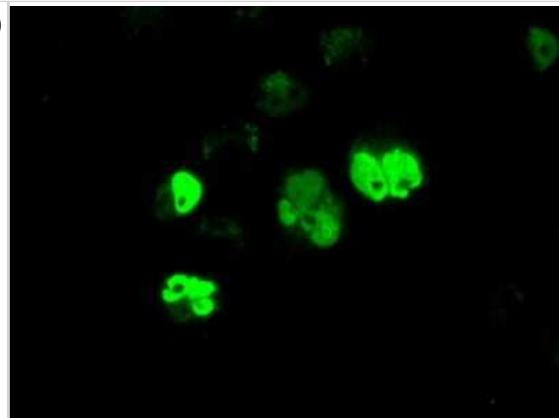
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:2000, Immunohistochemistry 1:50, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:50,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

Images

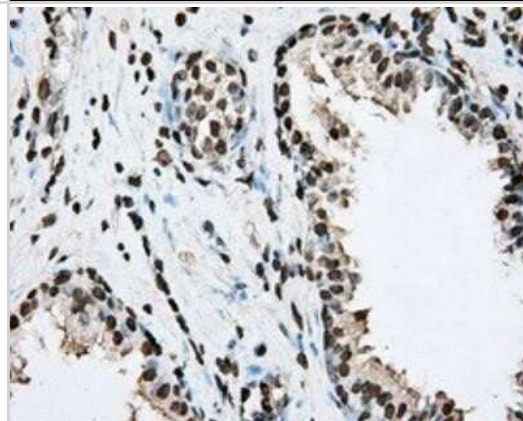
Western Blot: BMAL1 Antibody (OTI1C11) [NBP2-02544] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY BMAL1 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-BMAL1.



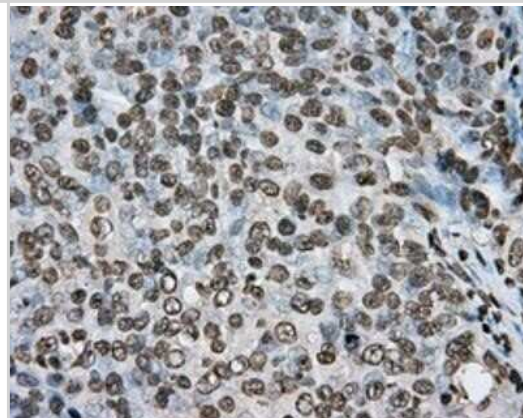
Immunocytochemistry/Immunofluorescence: BMAL1 Antibody (OTI1C11) [NBP2-02544] - Staining of COS7 cells transiently transfected by pCMV6-ENTRY ARNTL .



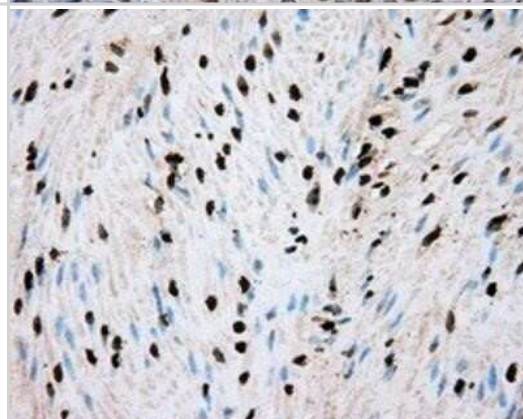
Immunohistochemistry-Paraffin: BMAL1 Antibody (OTI1C11) [NBP2-02544] - Staining of paraffin-embedded Carcinoma of prostate tissue using anti-BMAL1 mouse monoclonal antibody.



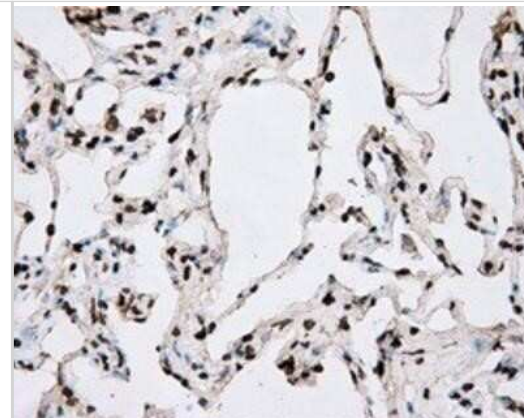
Immunohistochemistry-Paraffin: BMAL1 Antibody (OTI1C11) [NBP2-02544] - Staining of paraffin-embedded Adenocarcinoma of ovary tissue N93ing anti-BMAL1 mouse monoclonal antibody.



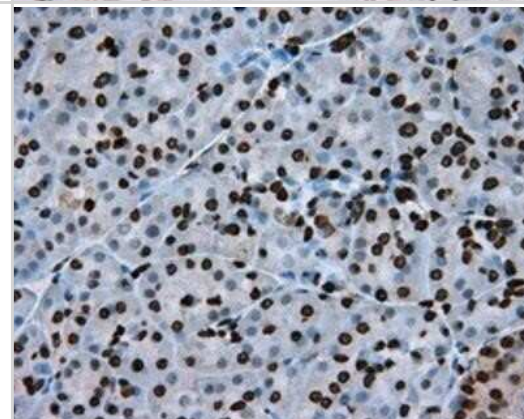
Immunohistochemistry-Paraffin: BMAL1 Antibody (OTI1C11) [NBP2-02544] - Staining of paraffin-embedded colon tissue using anti-BMAL1 mouse monoclonal antibody.



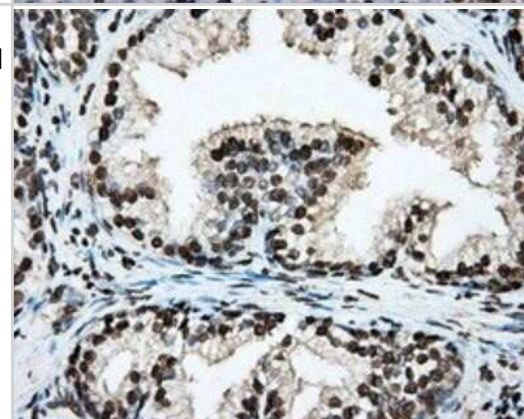
Immunohistochemistry-Paraffin: BMAL1 Antibody (OTI1C11) [NBP2-02544] - Staining of paraffin-embedded lung tissue using anti-BMAL1 mouse monoclonal antibody.



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



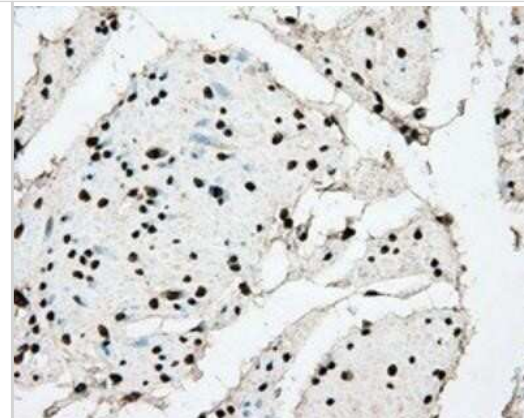
Immunohistochemistry-Paraffin: BMAL1 Antibody (OTI1C11) [NBP2-02544] - Staining of paraffin-embedded prostate tissue using anti-BMAL1 mouse monoclonal antibody.



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 γ , 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)



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Products Related to NBP2-02544

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
H00000406-P01-10ug	Recombinant Human BMAL1 GST (N-Term) Protein

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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