

Product datasheet for **TA501174BM**

BMAL1 (ARNTL) Mouse Monoclonal Antibody (HRP conjugated) [Clone ID: OTI1C11]

Product data:

| | |
|--------------------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | OTI1C11 |
| Applications: | IF, IHC, WB |
| Recommended Dilution: | WB 1:2000, IHC 1:50, IF 1:100 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Full length human recombinant protein of human ARNTL(NP_001169) produced in HEK293T cell. |
| Formulation: | PBS (pH 7.3) containing 1% BSA, 50% glycerol. |
| Concentration: | 0.5 mg/ml |
| Purification: | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Conjugation: | HRP |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 68.5 kDa |
| Gene Name: | aryl hydrocarbon receptor nuclear translocator like |
| Database Link: | NP_001169 Entrez Gene 11865 Mouse Entrez Gene 29657 Rat Entrez Gene 406 Human O00327 |
| Background: | The protein encoded by this gene is a basic helix-loop-helix protein that forms a heterodimer with CLOCK. This complex binds an E-box upstream of the PER1 gene, activating this gene and possibly other circadian rhythm-associated genes. Three transcript variants encoding two different isoforms have been found for this gene. |
| Synonyms: | bHLHe5; BMAL1; BMAL1c; JAP3; MOP3; PASD3; TIC |

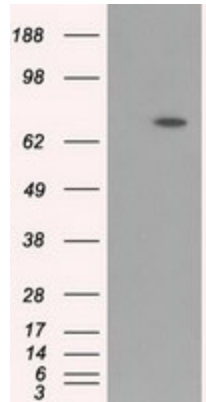


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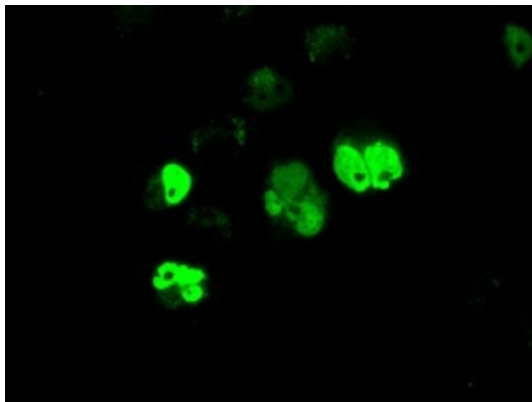
Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: Circadian rhythm - mammal

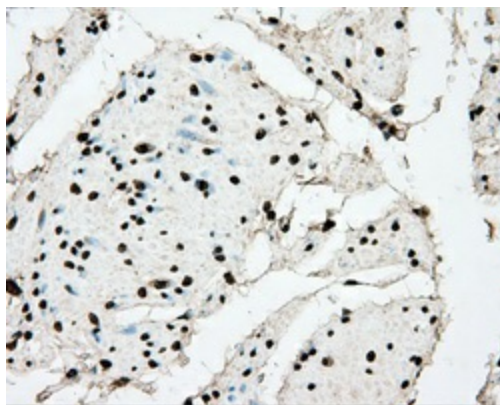
Product images:



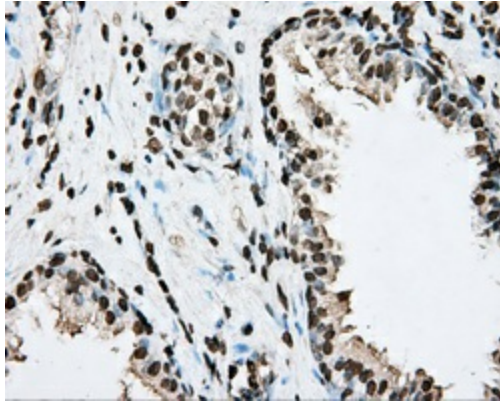
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY ARNTL (Cat# [RC207870], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-ARNTL (Cat# [TA501174]). Positive lysates [LY400474] (100ug) and [LC400474] (20ug) can be purchased separately from OriGene.



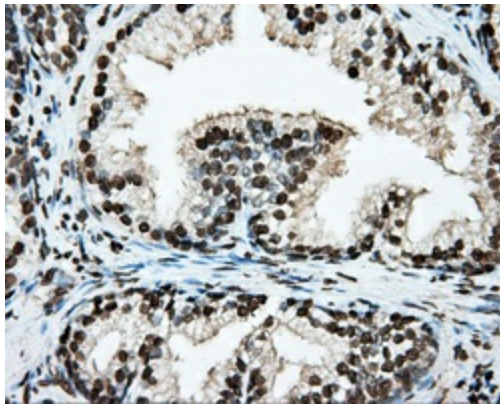
Anti-ARNTL mouse monoclonal antibody ([TA501174]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY ARNTL ([RC207870]).



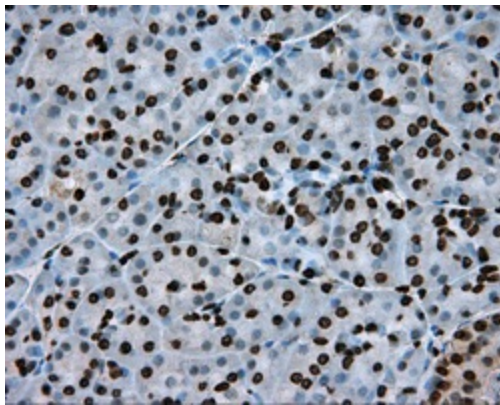
Immunohistochemical staining of paraffin-embedded bladder tissue within the normal limits using anti-ARNTL mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501174], Dilution 1:50)



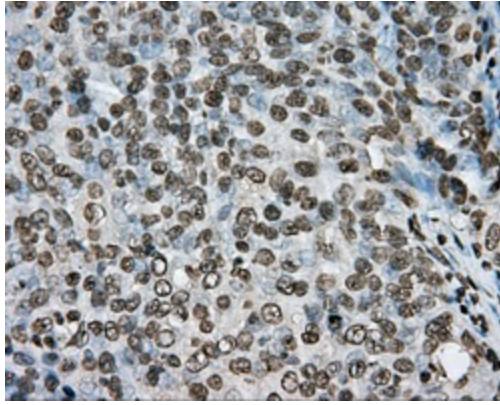
Immunohistochemical staining of paraffin-embedded Carcinoma of prostate tissue using anti-ARNTL mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501174], Dilution 1:50)



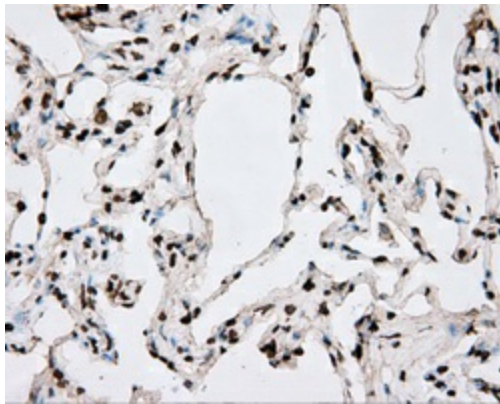
Immunohistochemical staining of paraffin-embedded prostate tissue within the normal limits using anti-ARNTL mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501174], Dilution 1:50)



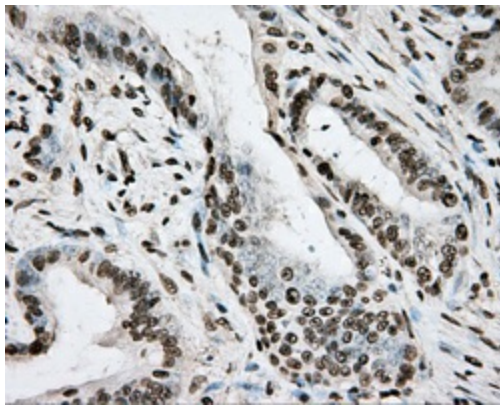
Immunohistochemical staining of paraffin-embedded pancreas tissue within the normal limits using anti-ARNTL mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501174], Dilution 1:50)



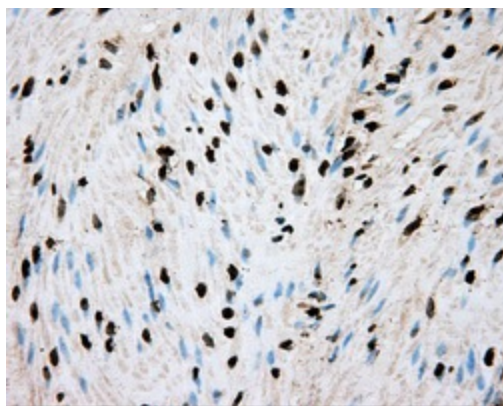
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of ovary tissue N93ing anti-ARNTL mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501174], Dilution 1:50)



Immunohistochemical staining of paraffin-embedded lung tissue within the normal limits using anti-ARNTL mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501174], Dilution 1:50)



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of colon tissue using anti-ARNTL mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501174], Dilution 1:50)



Immunohistochemical staining of paraffin-embedded colon tissue within the normal limits using anti-ARNTL mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501174], Dilution 1:50)