

Datasheet for ABIN2779410  
**anti-ARNTL antibody (N-Term)**[Go to Product page](#)

## 3 Images

## Overview

|                      |   |
|----------------------|---|
| Quantity:            | 100 µL  |
| Target:              | ARNTL   |
| Binding Specificity: | N-Term  |
| Reactivity:          | Human, Rat, Mouse, Cow, Dog, Sheep, Rabbit, Horse, Guinea Pig |
| Host:                | Rabbit  |
| Clonality:           | Polyclonal  |
| Conjugate:           | This ARNTL antibody is un-conjugated                          |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC)             |

## Product Details

|                       |  |
|-----------------------|--|
| Immunogen:            | The immunogen is a synthetic peptide directed towards the N terminal region of human ARNTL                       |
| Sequence:             | TDYQESMDTD KDDPHGRLEY TEHQGRIKNA REAHSQIEKR RRDKMNSF   |
| Predicted Reactivity: | Cow: 100%, Dog: 92%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 92%, Rabbit: 92%, Rat: 100%, Sheep: 100% |
| Characteristics:      | This is a rabbit polyclonal antibody against ARNTL. It was validated on Western Blot and immunohistochemistry.   |
| Purification:         | Protein A purified   |

## Target Details

|         |       |
|---------|-------|
| Target: | ARNTL |
|---------|-------|

## Target Details

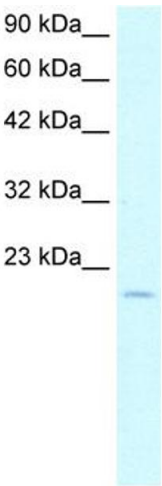
|                   |  |
|-------------------|--|
| Alternative Name: | ARNTL ( <a href="#">ARNTL Products</a> )   |
| Background:       | <p>ARNTL is a general dimerization partner for a subset of the basic-helix-loop-helix (bHLH)-PER-ARNT-SIM (PAS) superfamily of transcriptional regulators.</p> <p>Alias Symbols: TIC, JAP3, MOP3, BMAL1, PASD3, BMAL1c, bHLHe5</p> <p>Protein Interaction Partner: HIF1A, NPAS2, UBE3A, UBC, DYRK1B, CLOCK, Cry2, SIRT1, BHLHE40, NPAS4, PER3, CRY1, EPAS1, CSNK1E, AHR, HLF, HSP90AA1, SUMO2, SUMO3, RXRA, RARA, KAT2B, EP300,</p> <p>Protein Size: 625</p> |
| Molecular Weight: | 25 kDa   |
| Gene ID:          | 406  |
| NCBI Accession:   | <a href="#">NM_015642</a> , <a href="#">NP_001169</a>  |
| Pathways:         | <a href="#">Regulation of Lipid Metabolism by PPARalpha</a> , <a href="#">Protein targeting to Nucleus</a> , <a href="#">Warburg Effect</a>  |

## Application Details

|                    |  |
|--------------------|--|
| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |
| Comment:           | Antigen size: 625 AA   |
| Restrictions:      | For Research Use only  |

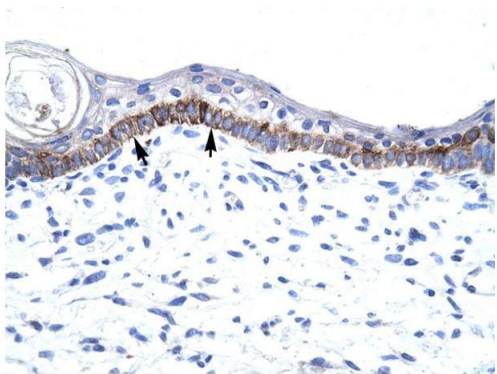
## Handling

|                    |   |
|--------------------|---|
| Format:            | Liquid  |
| Concentration:     | Lot specific  |
| Buffer:            | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.                                     |
| Preservative:      | Sodium azide  |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                  |
| Handling Advice:   | Avoid repeated freeze-thaw cycles.  |
| Storage:           | -20 °C  |
| Storage Comment:   | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |



Western Blotting

**Image 1.** WB Suggested Anti-ARNTL Antibody Titration:  
5.0ug/ml Positive Control: HepG2 cell lysate



Immunohistochemistry

**Image 2.** Human Skin

Rabbit Anti-ARNTL Antibody  
Catalog Number: ARP32002  
Lot Number: QC1495  
Paraffin Embedded Tissue: Human Skin  
Cells with Positive label: Squamous epithelial cells(Indicated with Arrows)  
Antibody Concentration: 4.0-8.0 µg/ml  
Magnification: 400X



Western Blotting

**Image 3.** Host: Mouse Target Name: ARNTL Sample Tissue:  
Mouse Spleen Antibody Dilution: 1ug/ml