

Datasheet for ABIN1781945  
**anti-ARNT antibody (AA 558-570)**



[Go to Product page](#)

1 Image

## Overview

|                      |                                     |
|----------------------|-------------------------------------|
| Quantity:            | 100 µg                              |
| Target:              | ARNT                                |
| Binding Specificity: | AA 558-570                          |
| Reactivity:          | Human                               |
| Host:                | Goat                                |
| Clonality:           | Polyclonal                          |
| Conjugate:           | This ARNT antibody is un-conjugated |
| Application:         | Western Blotting (WB), ELISA        |

## Product Details

|                   |   |
|-------------------|---|
| Purpose:          | ARNT (aa558-570)  |
| Sequence:         | SEIYHNINAD QSK  |
| Isotype:          | IgG   |
| Specificity:      | This antibody is expected to recognize all reported isoforms (NP_001659.1, NP_848514.1, NP_001184254.1).                              |
| Cross-Reactivity: | Dog, Human  |
| Purification:     | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. |
| Grade:            | Verified  |

## Target Details

|                   |   |
|-------------------|---|
| Target:           | ARNT  |
| Alternative Name: | ARNT ( <a href="#">ARNT Products</a> )  |
| Background:       | ARNT, aryl hydrocarbon receptor nuclear translocator, HIF-1-beta, HIF-1beta, HIF1-beta, HIF1B, HIF1BETA, TANGO, bHLHe2, OTTHUMP00000218217, OTTHUMP00000218218, OTTHUMP00000218220, class E basic helix-loop-helix protein 2, dioxin receptor, nuclear transloc                       |
| Molecular Weight: | Expected molecular weight: 100 kDa  |
| Gene ID:          | 405   |
| NCBI Accession:   | <a href="#">NP_001659</a> , <a href="#">NP_848514</a> , <a href="#">NP_001184254</a>  |
| Pathways:         | <a href="#">Regulation of Hormone Metabolic Process</a> , <a href="#">Regulation of Hormone Biosynthetic Process</a> , <a href="#">Regulation of Carbohydrate Metabolic Process</a> , <a href="#">Signaling Events mediated by VEGFR1 and VEGFR2</a> , <a href="#">Warburg Effect</a> |

## Application Details

|                    |  |
|--------------------|--|
| Application Notes: | Western Blot: Approx 100 kDa band observed in nuclear lysates of cell line HeLa (calculated MW of 86.6 kDa according to NP_001659.1). Recommended concentration: 1-3 µg/mL.<br>Peptide ELISA: antibody detection limit dilution 1:64000. |
| Restrictions:      | For Research Use only  |

## Handling

|                    |  |
|--------------------|--|
| Format:            | Liquid   |
| Concentration:     | 0.5 mg/mL  |
| Buffer:            | Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.                     |
| 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:   | Minimize freezing and thawing.   |
| Storage:           | -20 °C   |
| Storage Comment:   | Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated                         |

at 4°C for a few weeks and still remain viable.



Western Blotting

**Image 1.** ABIN1781945 (1µg/ml) staining of HeLa nuclear lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.