

Datasheet for ABIN1781947
anti-ARNT antibody (AA 69-82)



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1 Image

Overview

| | |
|----------------------|-------------------------------------|
| Quantity: | 100 µg |
| Target: | ARNT |
| Binding Specificity: | AA 69-82 |
| Reactivity: | Human |
| Host: | Goat |
| Clonality: | Polyclonal |
| Conjugate: | This ARNT antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA |

Product Details

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|-------------------|---|
| Purpose: | ARNT (aa69-82) |
| Sequence: | CNDKERFARS DDEQS |
| Isotype: | IgG |
| Specificity: | This antibody is expected to recognize all reported isoform 1 (NP_001659.1) only. |
| Cross-Reactivity: | Cow, Dog, Human, Mouse, Rat |
| Purification: | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. |
| Grade: | Verified |

Target Details

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|-------------------|---|
| Target: | ARNT |
| Alternative Name: | ARNT (ARNT Products) |
| 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: 90 kDa |
| Gene ID: | 405, 11863, 25242 |
| NCBI Accession: | NP_001659 |
| Pathways: | Regulation of Hormone Metabolic Process , Regulation of Hormone Biosynthetic Process , Regulation of Carbohydrate Metabolic Process , Signaling Events mediated by VEGFR1 and VEGFR2 , Warburg Effect |

Application Details

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| Application Notes: | Western Blot: Approx 90 kDa band observed in nuclear lysates of cell lines HeLa and HepG2 (calculated MW of 86.6 kDa according to NP_001659.1). Recommended concentration: 2-4 µg/mL. Peptide ELISA: antibody detection limit dilution 1:4000. |
| Restrictions: | For Research Use only |

Handling

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|--------------------|--|
| 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 |

Handling

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.

Images



Western Blotting

Image 1. ABIN1781947 (2µg/ml) staining of HepG2 nuclear lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.