

ARNT Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP_001659.1

Catalog No. A302-764A

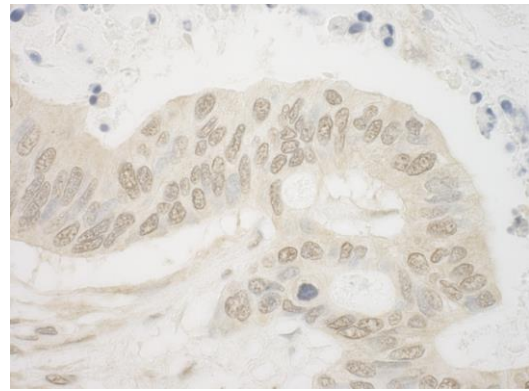
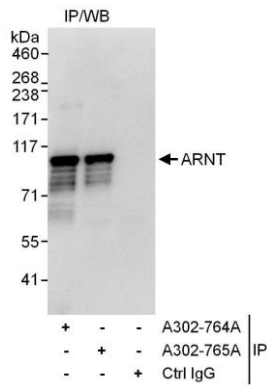
GeneID 405

Lot No. A302-764A-1



APPLICATIONS	IP, IHC
SPECIES REACTIVITY	Human
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with Bovine
AMOUNT	100 µl
CONCENTRATION	1000 µg/ml
STORAGE/SHELF LIFE	2 – 8° C / 1 year from date of receipt
PHYSICAL STATE	Liquid
BUFFER	Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
ISOTYPE	IgG
ORIGIN	USA
PRODUCTION PROCEDURES	<p>Antibody was affinity purified using an epitope specific to ARNT immobilized on solid support.</p> <p>The epitope recognized by A302-764A maps to a region between residue 1 and 50 of human Aryl Hydrocarbon Receptor Nuclear Translocator using the numbering given in entry NP_001659.1 (GeneID 405).</p> <p>Antibody concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.</p>
APPLICATIONS	<p>Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.</p> <p>Western Blot Not recommended. A302-764A has not performed satisfactorily when used for WB of ARNT in crude preparations (e.g. whole cell lysate). This antibody can be used for WB of enriched (e.g. immunoprecipitated) sources of ARNT.</p> <p>Immunoprecipitation 2 – 5 µg/mg lysate</p> <p>Immunohistochemistry 1:1,000 – 1:5,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.</p>
APPLICATION NOTES	Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100-020), Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) and 4-8% SDS-PAGE (link to IP-western blot protocol in Additional Info section below).
ADDITIONAL INFO	<p>https://www.bethyl.com/product/A302-764A</p> <p>Use the link above to view SDS, a current list of citations, and other product specific information.</p> <p>IP-western blot protocol: https://www.bethyl.com/content/protocol_IP_WB</p>

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.
Eric McIntush, PhD | Chief Scientific Officer Date: June 21, 2019



Detection of human ARNT by western blot of immunoprecipitates. *Samples:* Whole cell lysate (1 mg for IP, 20% of IP loaded) from HeLa cells. *Antibodies:* Affinity purified rabbit anti-ARNT antibody A302-764A used for IP at 3 $\mu\text{g}/\text{mg}$ lysate. ARNT was also immunoprecipitated by rabbit anti-ARNT antibody A302-765A, which recognizes a downstream epitope. For blotting immunoprecipitated ARNT, A302-764A was used at 0.4 $\mu\text{g}/\text{ml}$. *Detection:* Chemiluminescence with an exposure time of 10 seconds.

Detection of human ARNT by immunohistochemistry. *Sample:* FFPE section of human ovarian carcinoma. *Antibody:* Affinity purified rabbit anti-ARNT (Cat. No. A302-764A Lot1) used at a dilution of 1:1,000 (1 $\mu\text{g}/\text{ml}$). *Detection:* DAB