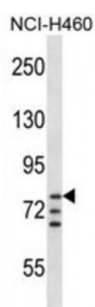
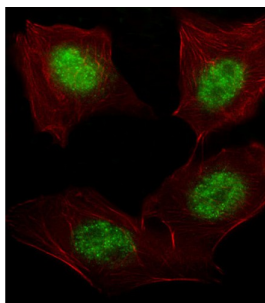


Aryl Hydrocarbon Receptor Nuclear Translocator (ARNT) Antibody

Catalogue No.: abx027959



The aryl hydrocarbon (Ah) receptor is involved in the induction of several enzymes that participate in xenobiotic metabolism. The ligand-free, cytosolic form of the Ah receptor is complexed to heat shock protein 90. Binding of ligand, which includes dioxin and polycyclic aromatic hydrocarbons, results in translocation of the ligand-binding subunit only to the nucleus. Induction of enzymes involved in xenobiotic metabolism occurs through binding of the ligand-bound Ah receptor to xenobiotic responsive elements in the promoters of genes for these enzymes. This gene encodes a protein that forms a complex with the ligand-bound Ah receptor, and is required for receptor function. The encoded protein has also been identified as the beta subunit of a heterodimeric transcription factor, hypoxia-inducible factor 1. A t (1;12) (q21;p13) translocation, which results in a TEL-ARNT fusion protein, is associated with acute myeloblastic leukemia. Alternative splicing results in multiple transcript variants.

Target: ARNT

Reactivity: Human

Host: Rabbit

Clonality: Polyclonal

Tested Applications: WB, IF/ICC

Recommended dilutions: Optimal dilutions/concentrations should be determined by the end user.

Immunogen: Human ARNT.

Purification: Purified Rabbit Polyclonal Antibody.

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Isotype:	IgG
Conjugation:	Unconjugated
Specificity:	This ARNT antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 513-544 amino acids from the Central region of human ARNT.
Storage:	Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.
Swiss Prot:	<u>P27540</u>
Buffer:	PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Note:	This product is for research use only.