

Arnt antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI10202**Specification****Arnt antibody - C-terminal region - Product Information**

Application	WB
Primary Accession	P41739
Other Accession	NM_012780 , NP_036912
Reactivity	Human, Mouse, Rat, Pig, Sheep, Horse, Bovine, Dog
Predicted	Human, Mouse, Rat, Pig, Chicken, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	47kDa KDa

Arnt antibody - C-terminal region - Additional Information**Gene ID** 25242**Alias Symbol** **Arnt1, Arnt****Other Names**

Aryl hydrocarbon receptor nuclear translocator, ARNT protein, Dioxin receptor, nuclear translocator, Hypoxia-inducible factor 1-beta, HIF-1-beta, HIF1-beta, Arnt

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-Arnt antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

Arnt antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Arnt antibody - C-terminal region - Protein Information**Name** Arnt**Function**

Required for activity of the AHR. Upon ligand binding, AHR translocates into the nucleus, where it heterodimerizes with ARNT and induces transcription by binding to xenobiotic response elements (XRE). Not required for the ligand-binding subunit to translocate from the cytosol to the nucleus after ligand binding. The complex initiates transcription of genes involved in the regulation of a variety of biological processes, including angiogenesis, hematopoiesis, drug and lipid metabolism, cell motility and immune modulation (By similarity). The heterodimer binds to core DNA sequence

5'-TACGTG-3' within the hypoxia response element (HRE) of target gene promoters and functions as a transcriptional regulator of the adaptive response to hypoxia (By similarity). The heterodimer ARNT:AHR binds to core DNA sequence 5'- TGCGTG-3' within the dioxin response element (DRE) of target gene promoters and activates their transcription (By similarity).

Cellular Location

Nucleus {ECO:0000250|UniProtKB:P27540}.

Arnt antibody - C-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

