

## Rabbit Arnt Polyclonal Antibody | anti-ARNT antibody

Arnt antibody - C-terminal region

| CATALOG # | HOST   | REACTIVITY                                                    | APPLICATIONS                       |
|-----------|--------|---------------------------------------------------------------|------------------------------------|
| AAA197127 | Rabbit | Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep | Immunohistochemistry, Western Blot |

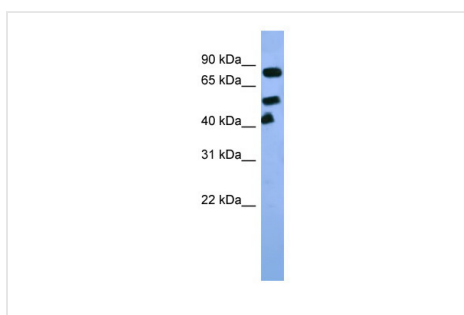
### PRODUCT SYNONYMS

Arnt; Polyclonal Antibody; Arnt antibody - C-terminal region; anti-ARNT antibody

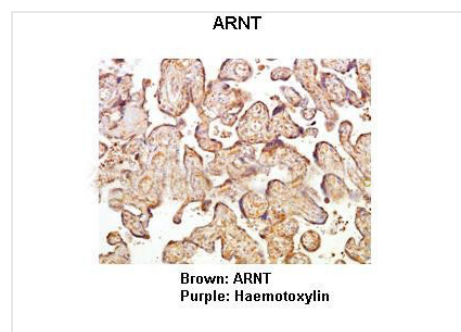
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                       |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                |
| Reactivity                                     | Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep                                                                                         |
| Clonality                                      | Polyclonal                                                                                                                                            |
| Purity/Purification                            | Affinity Purified                                                                                                                                     |
| Form/Format                                    | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                     |
| Sequence                                       | Synthetic peptide with the following region: SN EQHVQPTSAQ PSSQPEVFQE MLSMLGDQSN TYNNEEFPDL TMFPFSE                                                   |
| Sequence Length                                | 800                                                                                                                                                   |
| Applicable Applications for anti-ARNT antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                         |
| Homology                                       | Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 92%; Rabbit: 92%; Rat: 100%; Sheep: 100%                                     |
| Immunogen                                      | The immunogen is a synthetic peptide corresponding to a region of Rat                                                                                 |
| Preparation and Storage                        | For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES



#### WB (Western Blot)

WB Suggested Anti-Arnt Antibody Titration: 0.2-1 ug/ml  
ELISA Titer: 1:31250  
Positive Control: Rat Liver


#### IHC (Immunohistochemistry)

Researcher: Hiten D. Mistry, King's College London  
Application: IHC  
Species + Tissue/Cell type: Human placenta  
Primary antibody dilution: 1:200  
Secondary antibody: Anti-rabbit-HRP  
Secondary antibody dilution: 1:5000

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-ARNT antibody | <p>This is a rabbit polyclonal antibody against Arnt. It was validated on Western Blot</p> <p>Target Description: Arnt is required for activity of the Ah (dioxin) receptor. This protein is required for the ligand-binding subunit to translocate from the cytosol to the nucleus after ligand binding. The complex then initiates transcription of genes involved in the activation of PAH procarcinogens. The heterodimer with HIF1A or EPAS1/HIF2A functions as a transcriptional regulator of the adaptive response to hypoxia.</p> |
| Product Categories/Family for anti-ARNT antibody   | Polyclonal; Transcription Regulation; Various; Hypoxia; Sumoylation; Transcription Factors; Cell Differentiation                                                                                                                                                                                                                                                                                                                                                                                                                          |

NCBI AND UNIPROT INFORMATION

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| NCBI GI #                        | 7549744                                        |
| NCBI GeneID                      | 25242                                          |
| NCBI Accession #                 | NP_036912                                      |
| NCBI GenBank Nucleotide #        | NM_012780                                      |
| UniProt Accession #              | P41739                                         |
| Molecular Weight                 | 88kDa                                          |
| NCBI Official Full Name          | aryl hydrocarbon receptor nuclear translocator |
| NCBI Official Synonym Full Names | aryl hydrocarbon receptor nuclear translocator |
| NCBI Official Symbol             | Arnt                                           |
| NCBI Official Synonym Symbols    | Arnt1                                          |
| NCBI Protein Information         | aryl hydrocarbon receptor nuclear translocator |
| UniProt Protein Name             | Aryl hydrocarbon receptor nuclear translocator |
| UniProt Gene Name                | Arnt                                           |
| UniProt Synonym Gene Names       | ARNT protein; HIF-1-beta; HIF1-beta            |
| UniProt Entry Name               | ARNT_RAT                                       |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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