

DNAxPAb

Hard-to-Find
Antibody

ARNT2 DNAxPab

Catalog # H00009915-W01P Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a partial-length human ARNT2 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Extracellular membrane domain (ECD) human DNA
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)
[Protocol Download](#)
- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — ARNT2

Entrez GeneID	9915
GeneBank Accession#	BC036099
Protein Accession#	AAH36099
Gene Name	ARNT2
Gene Alias	KIAA0307, bHLHe1
Gene Description	aryl-hydrocarbon receptor nuclear translocator 2
Omim ID	606036
Gene Ontology	Hyperlink
Gene Summary	<p>This gene encodes a member of the basic-helix-loop-helix-Per-Arnt-Sim (bHLH-PAS) superfamily of transcription factors. The encoded protein acts as a partner for several sensor proteins of the bHLH-PAS family, forming heterodimers with the sensor proteins that bind regulatory DNA sequences in genes responsive to developmental and environmental stimuli. Under hypoxic conditions, the encoded protein complexes with hypoxia-inducible factor 1alpha in the nucleus and this complex binds to hypoxia-responsive elements in enhancers and promoters of oxygen-responsive genes. A highly similar protein in mouse forms functional complexes with both aryl hydrocarbon receptors and Single-minded proteins, suggesting additional roles for the encoded protein in the metabolism of xenobiotic compounds and the regulation of neurogenesis, respectively. [provided by RefSeq]</p>
Other Designations	aryl hydrocarbon receptor nuclear translocator 2

Pathway

- [Pathways in cancer](#)
- [Renal cell carcinoma](#)

Disease

- [Asperger Syndrome](#)
- [Autistic Disorder](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Social Perception](#)