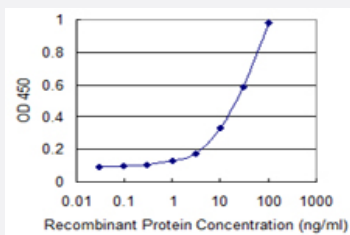


ARNT2 monoclonal antibody (M03), clone 1B2

Catalog # H00009915-M03

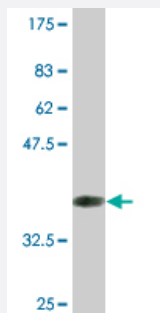
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ARNT2 is 0.3 ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant ARNT2.
Immunogen	ARNT2 (NP_055677.3, 464 a.a. ~ 563 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	VPVPNLPAGVHEAGKSVEKADAIFSQERDPRFAEMFAGISASEKKMMSSASAAGTQQYSQGSP FPSGHSGKAFSSSVVHVPGVNDIQSSSSTGQNMSQI
Host	Mouse
Reactivity	Human
Isotype	IgG2b Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (36.74 KDa) .

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 (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ARNT2 is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — ARNT2

Entrez GeneID

[9915](#)

GeneBank Accession#

[NM_014862](#)

Protein Accession#

[NP_055677.3](#)

Gene Name

ARNT2

Gene Alias

KIAA0307, bHLHe1

Gene Description

aryl-hydrocarbon receptor nuclear translocator 2

Omim ID

[606036](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

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]

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](#)