

Datasheet for ABIN559953  
**anti-ARNT antibody (AA 1-110)**



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7 Images

## Overview

Quantity:	100 µg
Target:	ARNT
Binding Specificity:	AA 1-110
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ARNT antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), RNA Interference (RNAi)

## Product Details

Purpose:	Mouse monoclonal antibody raised against a partial recombinant ARNT.
Immunogen:	ARNT (AAH60838, 1 a.a. ~ 110 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	MAATTANPEM TSDVPSLGPA IASGNSGPGI QGGGAIVQRA IKRRPGLDFD DDGEGNSKFL RCDDDQMSND KERFARSDDE QSSADKERLA RENHSEIERR RRNKMTAYIT
Clone:	3D10
Isotype:	IgG2a
Cross-Reactivity:	Human
Characteristics:	Antibody Reactive Against Recombinant Protein.

## Target Details

Target:	ARNT
Alternative Name:	ARNT ( <a href="#">ARNT Products</a> )
Background:	Full Gene Name: aryl hydrocarbon receptor nuclear translocator Synonyms: HIF-1beta,HIF1B,HIF1BETA,TANGO,bHLHe2
Gene ID:	405
Pathways:	<a href="#">Regulation of Hormone Metabolic Process</a> , <a href="#">Regulation of Hormone Biosynthetic Process</a> , <a href="#">Regulation of Carbohydrate Metabolic Process</a> , <a href="#">Signaling Events mediated by VEGFR1 and VEGFR2</a> , <a href="#">Warburg Effect</a>

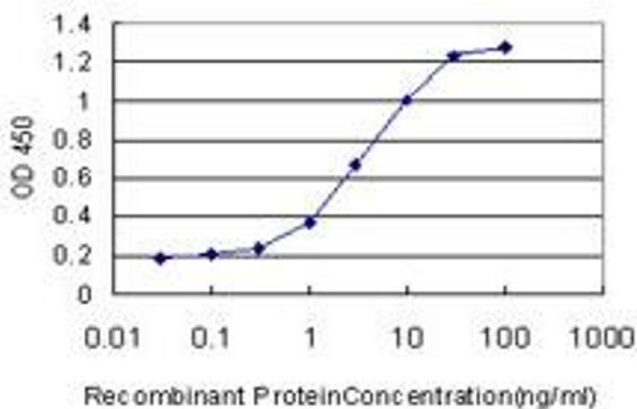
## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

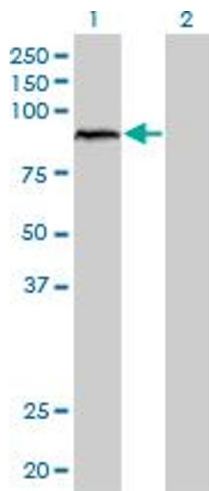
Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Images



### ELISA

**Image 1.** Detection limit for recombinant GST tagged ARNT is approximately 0.03ng/ml as a capture antibody.

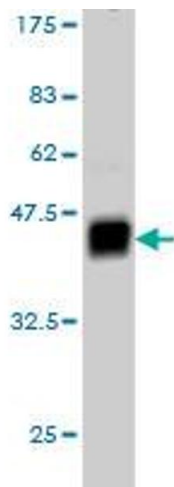


### Western Blotting

**Image 2.** Western Blot analysis of ARNT expression in transfected 293T cell line by ARNT monoclonal antibody (M01), clone 3D10.

Lane 1: ARNT transfected lysate(86.6 KDa).

Lane 2: Non-transfected lysate.



### Western Blotting

**Image 3.** Western Blot detection against Immunogen (37.73 KDa).

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN559953.