

Datasheet for ABIN2777195
anti-ARNT antibody (C-Term)[Go to Product page](#)

3 Images

1 Publication

Overview

Quantity:	100 µL
Target:	ARNT
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Sheep, Rabbit, Guinea Pig, Horse, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ARNT antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide corresponding to a region of Rat
Sequence:	SNEQHVQPTS AQPSSQPEVF QEMLTMLGDQ SNTYNNNEFP DLTMFPPFSE
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 92%, Rabbit: 92%, Rat: 100%, Sheep: 100%
Characteristics:	This is a rabbit polyclonal antibody against Arnt. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	ARNT
Alternative Name:	Arnt (ARNT Products)

Target Details

Background:	<p>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> <p>Alias Symbols: Arnt1, Arnt</p> <p>Protein Interaction Partner: Ahr,</p> <p>Protein Size: 800</p>
Molecular Weight:	88 kDa
Gene ID:	25242
NCBI Accession:	NM_012780 , NP_036912
UniProt:	P41739
Pathways:	Regulation of Hormone Metabolic Process , Regulation of Hormone Biosynthetic Process , Regulation of Carbohydrate Metabolic Process , Signaling Events mediated by VEGFR1 and VEGFR2 , Warburg Effect

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 800 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.

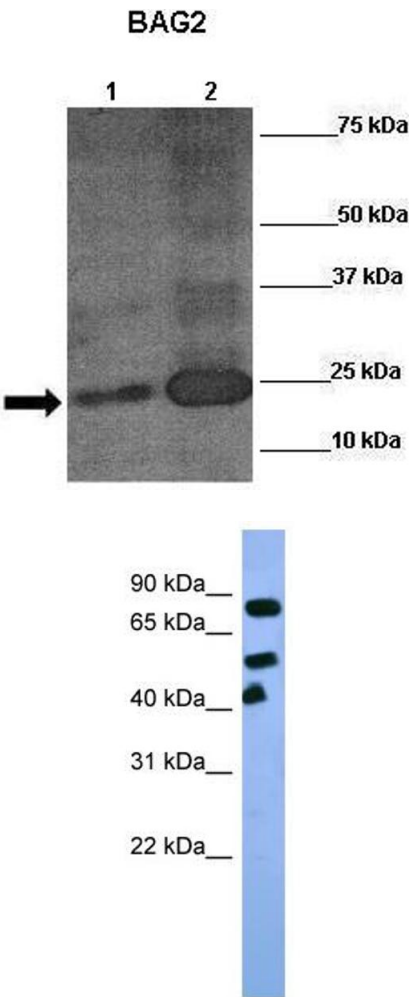
Handling

Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:	Lazrek, Goffard, Schanen, Karquel, Bocket, Lion, Devaux, Hedouin, Gosset, Hober: "Detection of hepatitis C virus antibodies and RNA among medicolegal autopsy cases in Northern France." in: Diagnostic microbiology and infectious disease , Vol. 55, Issue 1, pp. 55-8, (2006) (PubMed).
-------------------	---

Images



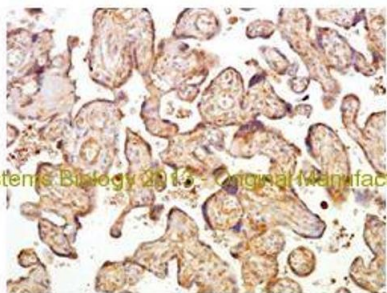
Western Blotting

Image 1. Lanes: Human placenta
Primary Antibody Dilution: 1:200
Secondary Antibody: Anti-rabbit-HRP
Secondary Antibody Dilution: 1:0000
Gene Name: Brown: ARNT Purple: Haemotoxylin
Submitted by: Arnt

Western Blotting

Image 2. WB Suggested Anti-Arnt Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Rat Liver

ARNT



Brown: ARNT
Purple: Haematoxylin

Immunohistochemistry

Image 3. 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