

## 兔抗 ARNT 多克隆抗体

- 中文名称: 兔抗 ARNT 多克隆抗体
- 英文名称: Anti-ARNT rabbit polyclonal antibody
- 别 名: ARNT; HIF-1beta; HIF1B; HIF1BETA; TANGO; bHLHe2
- 相关类别: 一抗
- 储 存: 冷冻 (-20℃) 避光
- 宿 主: Rabbit
- 抗 原: ARNT
- 反应种属: Human, Mouse, Rat
- 标记物: Unconjugate
- 克隆类型: rabbit polyclonal

## 技术规格

Background:	Hypoxia-inducible factor 1 (HIF1) is a heterodimeric transcription factor that plays a critical role in the ce llular response to hypoxia. The HIF1 complex consist s of two subunits, HIF-1 $\alpha$ and HIF-1 $\beta$ , which are basic helix-loop-helix proteins of the PAS (Per, ARNT, Sim) family. HIF1 regulates the transcription of a broad ra nge of genes that facilitate responses to the hypoxic environment, including genes regulating angiogenesi s, erythropoiesis, cell cycle, metabolism and apoptosi s. The widely expressed HIF-1 $\alpha$ is typically degraded r dly in normoxic cells by the ubiquitin/proteasomal p athway. Under normoxic conditions, HIF-1 $\alpha$ is proline droxylated leading to a conformational change that promotes binding to the von Hippel Lindau protein
-------------	--



WB Recommended dilution:

## 全国订货电话 4008-723-722

	······································
	(VLH) E3 ligase complex; ubiquitination and proteaso mal degradation follows. Both hypoxic conditions an d chemical hydroxylase inhibitors (such as desferriox amine and cobalt) inhibit HIF-1 $\alpha$ degradation and lead to its stabilization. In addition, HIF-1 $\alpha$ can be induced in an oxygen-independent manner by various cytoki nes through the PI3K-AKT-mTOR pathway.HIF-1 $\beta$ is all known as AhR nuclear translocator (ARNT) due to it s ability to partner with the aryl hydrocarbon recept or (AhR) to form a heterodimeric transcription factor complex. Together with AhR, HIF-1 $\beta$ plays an importa role in xenobiotics metabolism. In addition, a chrom osomal translocation leading to a TEL-ARNT fusion p rotein is associated with acute myeloblastic leukemia . Studies also found that ARNT/HIF-1 $\beta$ expression leve decrease significantly in pancreatic islets from patien ts with type 2 diabetes, suggesting that HIF-1 $\beta$ plays an important role in pancreatic $\beta$ -cell function.
Applications:	WB
Name of antibody:	ARNT
Immunogen:	Fusion protein of human ARNT
Full name:	aryl hydrocarbon receptor nuclear translocator
Synonyms :	ARNT; HIF-1beta; HIF1B; HIF1BETA; TANGO; bHLHe2
SwissProt:	P27540
WB Predicted band size:	87 kDa
WB Positive control:	Hepg2, MCF7, NIH3T3, U20S and Hela cells

500-2000



## 全国订货电话 4008-723-722