À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-ARNT2

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Numéro de catalogue:12810-1-AP Phare 1 Publications

Informations de base

Numéro de catalogue:
12810-1-AP

Taille:
150ul , Concentration: 260 μg/ml by Nanodrop and 227 μg/ml by Bradford method using BSA as the standard;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG3536

Numéro d'acquisition GenBank:
BC036099

Identification du gène (NCBI):
9915

Nom complet:
aryl-hydrocarbon receptor nuclear translocator 2

MW calculé
716 aa, 79 kDa

MW observés:
80-85 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:500-1:1000
IHC 1:50-1:500

Applications

Applications testées:
IHC, WB,ELISA

Demandes citées:
WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) À défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules HEK-293, cellules Jurkat, cellules Raji

IHC : tissu de gliome humain,

Informations générales

Aryl-hydrocarbon receptor nuclear translocator 2(ARNT2), is a member of the basic-helix-loop-helix-Per-Arnt-Sim (bHLH-PAS) superfamily of transcription factors. It specifically recognizes the xenobiotic response element(XRE). ARNT2 plays an important role in normal glucose handling in pancreatic beta cell function in humans and mice. ARNT2 proteins are dimeric partners for other PAS proteins such as HIF and SIM. ARNT2 and the other ARNT family members, e.g., ARNT, hypoxin inducible factor 1α (HIF1α), HIF2α, and aryl hydrocarbon receptor (AhR), are thought to function as heterodimers, and regulate the expression, and thereby the function, of many genes. Under hypoxic conditions, it 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. Modulation of ARNT2 in pancreatic beta cells affects glucose stimulated INS secretion (GSIS). This antibody is a rabbit polyclonal antibody raised against residues near the C terminus of human ARNT2.

Publications notables

Autrice	Pubmed ID	Journal	Application
Zhixiao Sun	33537006	Front Microbiol	WB

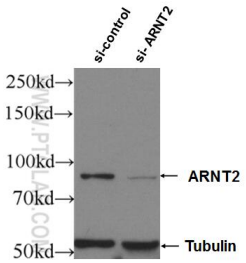
Stockage

Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

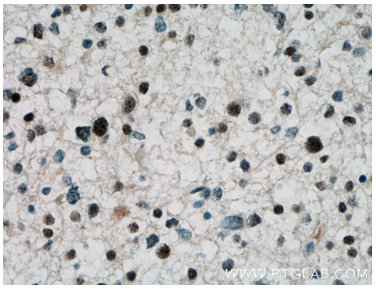
*** Les 20ul contiennent 0,1% de BSA.

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

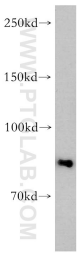
Données de validation sélectionnées



WB result of ARNT2 antibody (12810-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ARNT2 transfected Jurkat cells.



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 12810-1-AP (ARNT2 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



HEK-293 cells were subjected to SDS PAGE followed by western blot with 12810-1-AP (ARNT2 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.