

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



ARNT2 (M50) Peptide

Cat No.: BS2365P

Background

AhR, ARNT1, ARNT2 and BMAL1 are members of a family of transcription factors that contain a basic helix-loop-helix motif and a common "PAS" motif. The aromatic (aryl) hydrocarbon receptor, AhR, is a ligand dependent transcription factor that interacts with specific DNA sequences termed xenobiotic responsive elements (XREs) to activate several genes including CYP1A1, glutathione S-transferase Ya subunit and DT-diaphorase. The Ah receptor nuclear translocator proteins (Arnt 1 or Arnt 2) are required for ligand-dependent nuclear translocation of the Ah receptor and are also necessary for Ah receptor binding to the XRE element. BMAL1 (Brain and Muscle Arnt-like protein 1), also designated Arnt 3, TIC, JAP3 or MOP-3, has been shown to dimerize with Clock and bind to the promoter region of mPer1, suggesting that this protein plays a role in regulation of circadian oscillation in mammals.

Swiss-Prot

Q9HBZ2

Applications

Blocking

Specificity

This peptide can be used with studies using BS2365 ARNT2 (M50) pAb.

Purification & Purity

Synthetic peptide ARNT2 (M50). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Research Use

For research use only, not for use in diagnostic procedure.

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