BMAL2 polyclonal antibody

Catalog: BCP00287 Host: Rabbit Reactivity: Human

BackGround:

BMAL2, also known as ARNTL2 (aryl hydrocarbon receptor nuclear translocator-like 2), MOP9, CLIF or PASD9, is a 636 amino acid protein that localizes to the nucleus and contains one bHLH (basic helix-loop-helix) domain, one PAC (PAS-associated C-terminal) domain and two PAS (PER-ARNT-SIM) domains. Expressed at high levels in placenta and brain and at lower levels in liver, thymus, heart, lung and kidney, BMAL2 functions as a component of the circadian core oscillator, which includes a variety of proteins that work in tandem to activate the transcription of target genes. More specifically, BMAL2, when functioning as a component of the core oscillator, binds to the E-box element (3'-CACGTG-5') of target DNA, thus inducing transcription. Multiple isoforms of BMAL2 exist due to alternative splicing events.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 70 kDa

Swiss-Prot:

Q8WYA1

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:1000~1:2000

IHC: 1:50~1:200

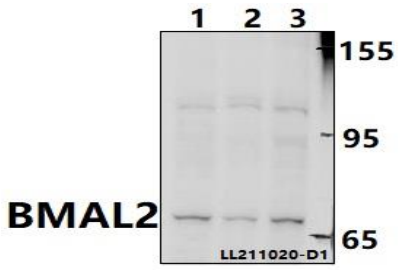
Storage&Stability:

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

Specificity:

BMAL2 polyclonal antibody detects endogenous levels of BMAL2 protein.

DATA:

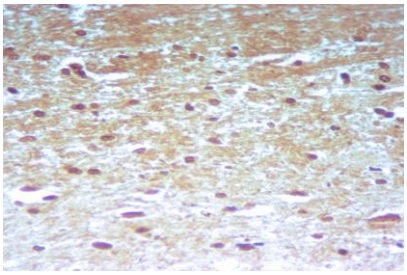


Western blot (WB) analysis of BMAL2 polyclonal antibody at 1:2000 dilution

Lane1:A549 whole cell lysate(40ug)

Lane2:U-87MG whole cell lysate(40ug)

Lane3:PC3 whole cell lysate(40ug)



Immunohistochemistry of paraffin-embedded Human Brain using BMAL2 antibody at dilution of 1:50.

Note:

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

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