

## Clock (E270) polyclonal antibody

Catalog: BCP00529

Host: Rabbit

Reactivity: Human

### BackGround:

Clock, a member of the basic-helix-loop-helix-PAS (bHLH-PAS) family of transcription factors, has also been identified as having circadian function. Mutations within the Clock gene have been shown to increase the length of the endogenous period and to cause a loss of rhythmicity of circadian oscillations. Clock contains a DNA-binding domain, a protein dimerization domain and a glutamine-rich C-terminal region, which indicates transactivation capabilities. It has been speculated that Clock may regulate circadian rhythmicity in combination with other proteins such as Per.

### Product:

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

### Molecular Weight:

~ 100 kDa

### Swiss-Prot:

O15516

### 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: 1:500~1:1000

IHC: 1:50~1:200

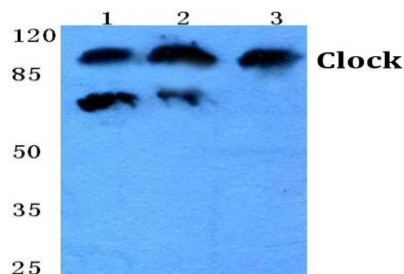
### Storage&Stability:

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

### Specificity:

Clock (E270) polyclonal antibody detects endogenous levels of Clock protein.

### DATA:

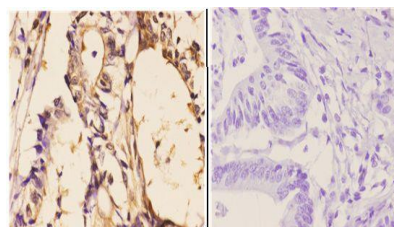


Western blot (WB) analysis of Clock (E270) pAb at 1:500 dilution

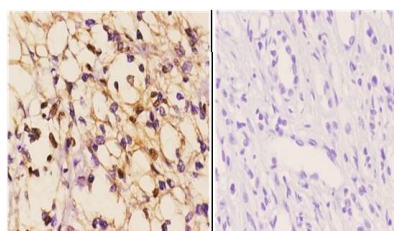
Lane1:A549 whole cell lysate(40ug)

Lane2:HEK293T whole cell lysate(40ug)

Lane3:A2780 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of Clock (E270) pAb in paraffin-embedded human colon carcinoma tissue at 1:50. showing Cytoplasm and Nucleus staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.



BS1873  
Lot CF36131

Immunohistochemistry (IHC) analyzes of Clock (E270) pAb in paraffin-embedded human colon carcinoma tissue at 1:50. showing Cytoplasm and Nucleus staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.

### Note:

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