

Product Information

Size:

50ul

Reactivity:

Human, Mouse, Rat

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, IHC

Recommended dilutions:

ELISA:1:1000-1:5000, IHC:1:25-1:100

Protein Background:

Probable RNA/DNA helicase involved in diverse aspects of RNA metabolism and genomic integrity. Plays a role in transcription regulation by its ability to modulate RNA Polymerase II (Pol II) binding to chromatin and through its interaction with proteins involved in transcription. Contributes to the mRNA splicing efficiency and splice site selection. Required for the resolution of R-loop RNA-DNA hybrid formation at G-rich pause sites located downstream of the poly(A) site, allowing XRN2 recruitment and XRN2-mediated degradation of the downstream cleaved RNA and hence efficient RNA polymerase II (RNAP II) transcription termination. Required for the 3' transcriptional termination of PER1 and CRY2, thus playing an important role in the circadian rhythm regulation. Involved in DNA double-strand breaks damage response generated by oxidative stress. In association with RRP45, targets the RNA exosome complex to sites of transcription-induced DNA damage.

Gene ID:

BOD1

Uniprot

Q96IK1

Synonyms:

bioorientation of chromosomes in cell division 1

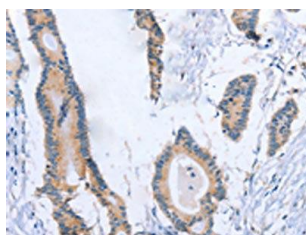
Immunogen:

Synthetic peptide of human BOD1.

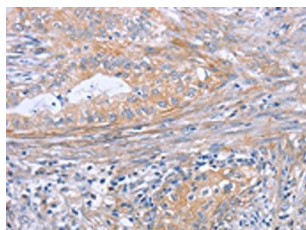
Storage:

-20°C; C, pH7.4 PBS, 0.05% NaN₃, 40% Glycerol

Product Images



The image on the left is immunohistochemistry of paraffin-embedded Human colon cancer tissue using PACO19358(BOD1 Antibody) at dilution 1/30, on the right is treated with synthetic peptide. (Original magnification: x—200).



The image on the left is immunohistochemistry of paraffin-embedded Human cervical cancer tissue using PACO19358(BOD1 Antibody) at dilution 1/30, on the right is treated with synthetic peptide. (Original magnification: x—200).