

## Oct-2 (H3) polyclonal antibody

Catalog: BS1261

Host: Rabbit

Reactivity: Human, Mouse

### Background:

Organic cation transporters (OCT) are expressed in the plasma membrane of epithelial cells from a wide range of tissues, where they function in the elimination of endogenous amines, cationic drugs and other xenobiotics. In humans, OCT1 is primarily expressed in the liver while OCT2 is expressed in the kidney. OCT3 is expressed in the placenta, skeletal muscle, prostate, aorta and liver. OCT3, also known as extraneuronal monoamine transporter, is widely expressed in different regions of the brain including the hippocampus, cerebellum and cerebral cortex. OCT3 mediates the uptake of several neuroactive agents, including dopamine, and may play an important role in the disposition of neurotransmitters and cationic neurotoxins in the brain. The genes encoding human OCT1–3 map to a conserved cluster at chromosome 6q26-q27.

### Product:

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

### Molecular Weight:

~ 58 kDa

### Swiss-Prot:

P09086

### 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

IF: 1:50~1:200

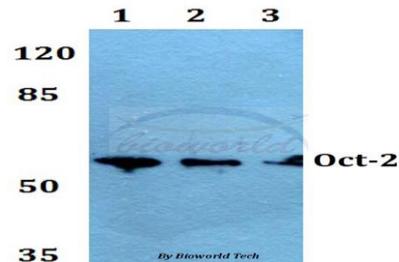
### Storage&Stability:

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

### Specificity:

OCT2/OTF2 (H3) polyclonal antibody detects endogenous levels of OCT2/OTF2 (H3) protein.

### DATA:

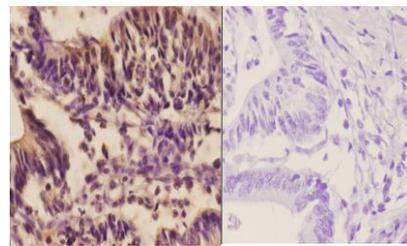


Western blot (WB) analysis of Oct-2 (H3) polyclonal antibody at 1:500 dilution

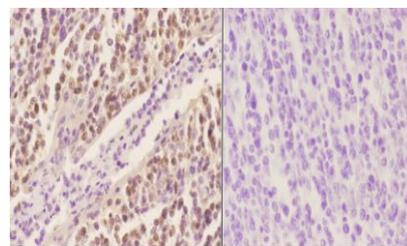
Lane1:HEK293T whole cell lysate

Lane2:NIH-3T3 whole cell lysate

Lane3:H9C2 whole cell lysate



Immunohistochemistry (IHC) analyzes of Oct-2 (H3) pAb in paraffin-embedded human colon carcinoma tissue at 1:50. showing cytoplasmic 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.



Immunohistochemistry (IHC) analyzes of Oct-2 (H3) pAb in paraffin-embedded human tonsil carcinoma tissue at 1:50. showing cytoplasmic and nucleus staining.

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## PRODUCT DATA SHEET

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mic 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.

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