

**ANP32A polyclonal antibody**

Catalog: BS7847

Host: Rabbit

Reactivity: Human, Mouse, Rat

**BackGround:**

Multifunctional protein that is involved in the regulation of many processes including tumor suppression, apoptosis, cell cycle progression or transcription. Promotes apoptosis by favouring the activation of caspase-9/CASP9 and allowing apoptosome formation. In addition, plays a role in the modulation of histone acetylation and transcription as part of the INHAT (inhibitor of histone acetyltransferases complex. Inhibits the histone-acetyltransferase activity of EP300/CREBBP (CREB-binding protein and EP300/CREBBP-associated factor by histone masking. Preferentially binds to unmodified histone H3 and sterically inhibiting its acetylation and phosphorylation leading to cell growth inhibition. Participates in other biochemical processes such as regulation of mRNA nuclear-to-cytoplasmic translocation and stability by its association with ELAVL1 (Hu-antigen R. Plays a role in E4F1-mediated transcriptional repression as well as inhibition of protein phosphatase 2A.

**Product:**

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

**Molecular Weight:**

28kDa

**Swiss-Prot:**

P39687

**Purification&Purity:**

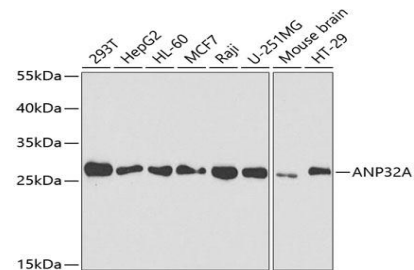
The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

**Applications:**

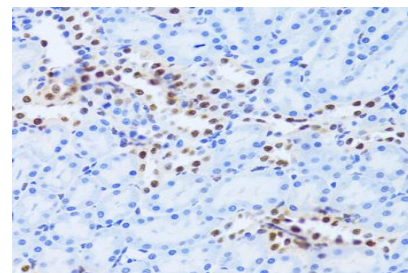
WB, 1:500 - 1:2000 | IHC, 1:50 - 1:200

**Storage&Stability:**

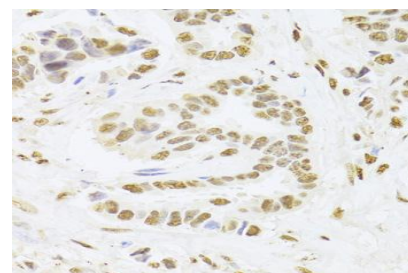
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

**Category:****Polyclonal Antibodies****DATA:**

Western blot analysis of extracts of various cell lines, using ANP32A antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 30s.



Immunohistochemistry of paraffin-embedded rat kidney using ANP32A Antibody at dilution of 1:100. Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry of paraffin-embedded human breast cancer using ANP32A Antibody at dilution of 1:100. Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

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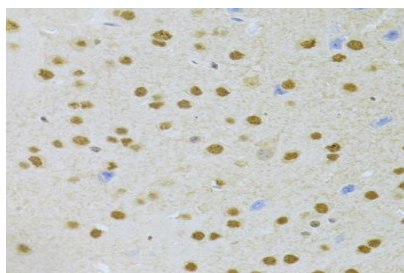
Tel: 0086-025-68037686

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## PRODUCT DATA SHEET

Bioworld Technology, Inc.



**Note:**

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

Immunohistochemistry of paraffin-embedded mouse brain using ANP32A Antibody at dilution of 1:100. Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

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