

## AGP-2 polyclonal antibody

Catalog: BS60097

Host: Rabbit

Reactivity: Human, Mouse, Rat

### Background:

AGP (a 1-acid Glycoprotein) is an acute phase plasma protein synthesized by the liver. It functions to regulate the interaction between blood cells and endothelial cells, and together with haptoglobin and C reactive protein, it also mediates the extravasation of cells during infection and inflammation. Expression of AGP is induced by acute-phase stimulatory agents such as bacterial lipopolysaccharides. AGP has a high affinity, low capacity binding for basic drugs at physiological pH. In human plasma, AGP is found at levels of 0.5-1.4 mg/ml, though this is elevated during acute inflammation, and, as a result, levels of this protein can be used to diagnose inflammatory conditions. Multiple AGP genes exist, including AGP-1, AGP-2, AGP-3 and AGP-8. AGP-1 and AGP-2 contain five and six potential N-glycosylation sites, respectively. Abnormal expression of the APG-1 gene is linked to sarcoidosis and other immunogenetic diseases, while mutations in the APG-2 gene are associated with different types of carcinomas.

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

### Molecular Weight:

~ 24, 45 kDa

### Swiss-Prot:

P19652

### 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:

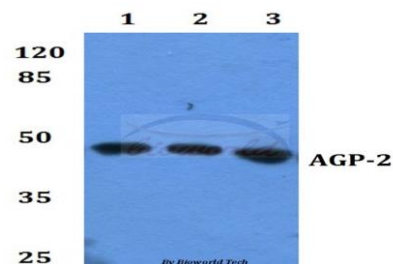
Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

### Specificity:

AGP-2 polyclonal antibody detects endogenous levels of AGP-2 protein.

### DATA:

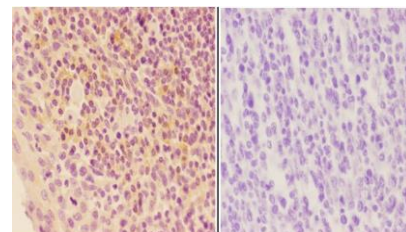


Western blot (WB) analysis of AGP-2 polyclonal antibody at 1:500 dilution

Lane1:HEK293T whole cell lysate

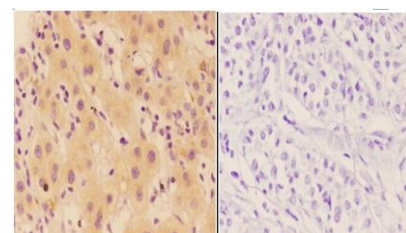
Lane2:sp2/0 whole cell lysate

Lane3:H9C2 whole cell lysate



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Immunohistochemistry (IHC) analyzes of AGP-2 pAb in paraffin-embedded human tonsil carcinoma tissue at 1:50, showing secreted and membrane staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.



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### Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: [info@bioworld.com](mailto:info@bioworld.com)

Tel: 6123263284

Fax: 6122933841

### Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: [info@biogot.com](mailto:info@biogot.com)

Tel: 0086-025-68037686

Fax: 0086-025-68035151



## PRODUCT DATA SHEET

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Immunohistochemistry (IHC) analyzes of AGP-2 pAb in paraffin-embedded human liver carcinoma tissue at 1:50, showing secreted and membrane 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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**Bioworld Technology, Inc.**

Add: 1660 South Highway 100, Suite 500 St. Louis Park,  
MN 55416, USA.

Email: [info@bioworld.com](mailto:info@bioworld.com)

Tel: 6123263284

Fax: 6122933841

**Bioworld technology, co. Ltd.**

Add: No 9, weidi road Qixia District Nanjing, 210046,  
P. R. China.

Email: [info@biogot.com](mailto:info@biogot.com)

Tel: 0086-025-68037686

Fax: 0086-025-68035151