# Anti-P Glycoprotein Antibody HA500502



## Hangzhou Huaan Biotechnology Co., Ltd.

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Applications:WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation

#### Images



**Fig1:** Western blot analysis of P Glycoprotein on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (HA500502, 1/2,000) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1:200,000 dilution was used for 1 hour at room temperature.

## Positive control:

Lane 1: Mouse brain tissue lysate

- Lane 2: Rat brain tissue lysate
- Lane 3: Human brain tissue lysate



**Fig2:** Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-P Glycoprotein antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes.The tissues were blocked in 1% BSA for 30 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody (HA500502, 1/1,000) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



**Fig3:** Flow cytometric analysis of P Glycoprotein was done on SH-SY5Y cells. The cells were fixed, permeabilized and stained with the primary antibody (HA500502, 1ug/ml) (red) compared with Rabbit IgG, monoclonal - Isotype Control (green). After incubation of the primary antibody at room temperature for an hour, the cells were stained with a Alexa Fluor®488 conjugate-Goat anti-Rabbit IgG Secondary antibody at 1/1000 dilution for 30 minutes.Unlabelled sample was used as a control (cells without incubation with primary antibody; black).

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Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

### **Background References**

- 1. Mollazadeh S. et. al. Structural and functional aspects of P-glycoprotein and its inhibitors. Life Sci. 2018 Dec
- 2. Waghray D. et. al. Inhibit or Evade Multidrug Resistance P-Glycoprotein in Cancer Treatment. J Med Chem. 2018 Jun

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