

# P Glycoprotein antibody [C494]

**Cat. No. GTX23365**

|                     |                       |
|---------------------|-----------------------|
| <b>Host</b>         | Mouse                 |
| <b>Clonality</b>    | Monoclonal            |
| <b>Isotype</b>      | IgG2a                 |
| <b>Applications</b> | WB, ICC/IF, IHC-P, IP |
| <b>Reactivity</b>   | Human, Dog            |

[References \( 1 \)](#)

[Package](#)

250 µl

## Applications

### Application Note

ICC/IF: Use at an assay dependent dilution. IHC-P: Use at a dilution of 1:20 or greater, for Biotin-based detection systems. For optimal staining, the primary antibody should be incubated 20-60 minutes at room temperature. No pre-treatment required. Note: Unequivocal plasma membrane patterns of immunostaining represent true P Glycoprotein expression. Weak homogeneous, cytoplasmic, or granular patterns of reactivity may represent staining of the Pyruvate Carboxylase cross-reactive epitope rather than positive staining for P Glycoprotein. IP: Use at an assay dependent dilution. WB: Use at an assay dependent dilution. Predicted molecular weight: 141 kDa. Optimal dilutions/concentrations should be determined by the end user.

### Product Note

This antibody is specific for the MDR1 isoform of P Glycoprotein. It does not cross-react with MDR3. It has been shown to cross-react with Pyruvate Carboxylase, an abundant mitochondrial enzyme (130 kDa), on both immunoblots and immunohistochemical tissue sections.

## Properties

|                      |  |
|----------------------|--|
| <b>Form</b>          | Liquid   |
| <b>Buffer</b>        | 0.01M PBS containing 1% BSA and 0.1% sodium azide  |
| <b>Storage</b>       | Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles. |
| <b>Concentration</b> | Batch dependent (Please refer to the vial label for the specific concentration.)   |
| <b>Immunogen</b>     | Recombinant full length protein.   |
| <b>Purification</b>  | Purified by affinity chromatography  |
| <b>Conjugation</b>   | Unconjugated   |

### Note

For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.



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## DATA IMAGES



### GTX23365 IHC-P Image

IHC-P analysis of human brain tissue using GTX23365 P Glycoprotein antibody [C494].



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