# [KO Validated] P Glycoprotein Rabbit mAb

Catalog No.: A19093 KO Validated Recombinant 4 Publications



### **Basic Information**

**Observed MW** 130-180kDa

**Calculated MW** 141kDa

Category Primary antibody

Applications WB,ELISA

**Cross-Reactivity** Human, Mouse, Rat

**CloneNo number** ARC0470

# Background

The membrane-associated protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the MDR/TAP subfamily. Members of the MDR/TAP subfamily are involved in multidrug resistance. The protein encoded by this gene is an ATP-dependent drug efflux pump for xenobiotic compounds with broad substrate specificity. It is responsible for decreased drug accumulation in multidrug-resistant cells and often mediates the development of resistance to anticancer drugs. This protein also functions as a transporter in the blood-brain barrier. Mutations in this gene are associated with colchicine resistance and Inflammatory bowel disease 13. Alternative splicing and the use of alternative promoters results in multiple transcript variants.

# **Recommended Dilutions**

WB	1:1000 - 1:6000
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

# Immunogen Information

#### Gene ID 5243

Swiss Prot P08183

#### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

CLCS; MDR1; P-GP; PGY1; ABC20; CD243; GP170; p-170; P Glycoprotein

# Contact

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# **Product Information**

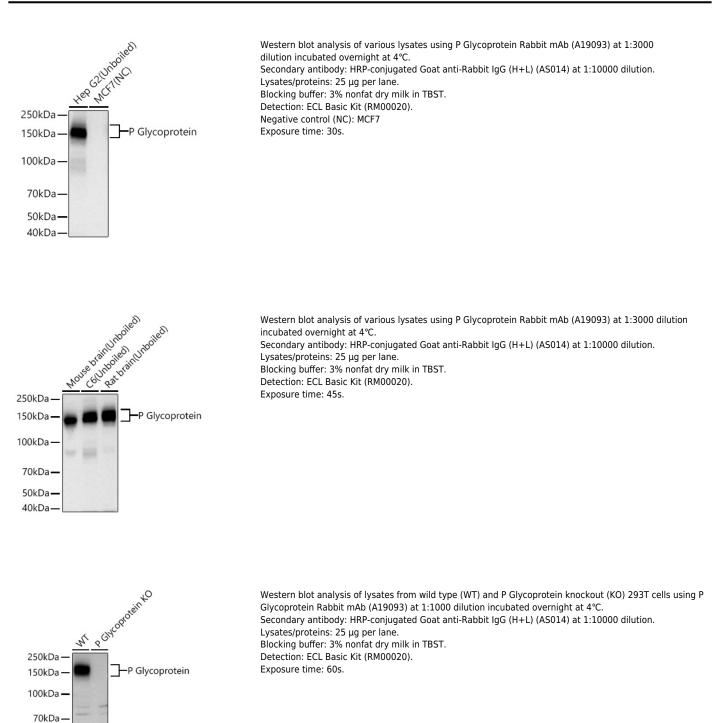
Source Rabbit

Isotype lgG

Purification Affinity purification

#### Storage

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.



β-actin

293T

50kDa <del>-</del> 40kDa -