bsm-54782R **[Primary Antibody]**

P Glycoprotein Recombinant Rabbit mAb

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DATASHEET

Host: Rabbit
Isotype: IgG
Clonality: Recombinant
CloneNo.: 2C11
GeneID: 5243
SWISS: P08183
Target: P Glycoprotein
Purification: affinity purified by Protein A
Concentration: 1mg/ml
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: bs-1468P is one synthetic peptide derived from human MDR1. P Glycoprotein, the product of the MDR1 gene, is expressed in distinct non-malignant cells, typically cells with secretory and excretory functions. It is assumed to function as an ATP-dependent drug efflux pump with broad substrate specificity. The highest expression of P Glycoprotein has been observed in kidney (proximal tubules), liver (bile canaliculi), adrenal gland and intestine, suggesting that the primary role of P Glycoprotein is in the normal secretion of physiological metabolites and ingested chemicals into bile, urine and the lumen of the intestinal tract. Elevated levels of P Glycoprotein have also been reported in multidrug-resistant cell lines and in colon, endometrial, ovarian, and breast tumors, as well as in sarcomas and leukemias / lymphomas.

Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

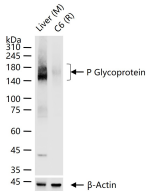
Reactivity: Human, Mouse, Rat

Predicted MW.: 141 kDa

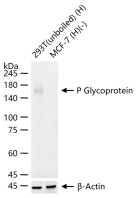
Observed MW.: 140-180 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



25 ug total protein per lane of various lysates (see on figure) probed with P Glycoprotein monoclonal antibody, unconjugated (bsm-54782R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



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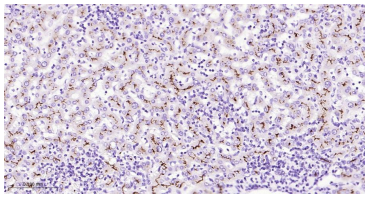
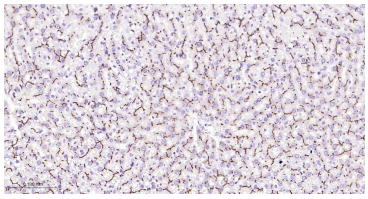
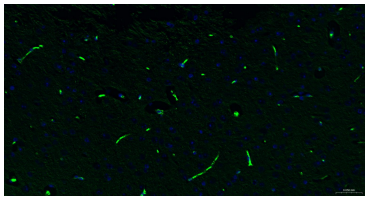


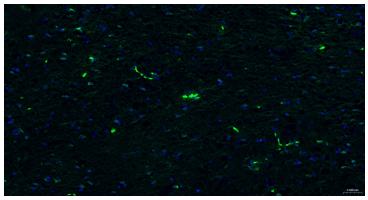
Paraformaldehyde-fixed, paraffin embedded Human Liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with P Glycoprotein Monoclonal Antibody, Unconjugated(bsm-54782R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Rat Liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with P Glycoprotein Monoclonal Antibody, Unconjugated(bsm-54782R) at 1:200 overnight at 4°C, followed by conjugation to the



Paraformaldehyde-fixed, paraffin embedded Mouse Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with P Glycoprotein Antibody, Unconjugated (bsm-54782R) at 1:200 overnight at 4°C. Followed by conjugated Goat



Paraformaldehyde-fixed, paraffin embedded Human Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with P Glycoprotein Antibody, Unconjugated (bsm-54782R) at 1:200 overnight at 4°C. Followed by conjugated Goat

bs-0295G-HRP and DAB (C-0010) staining.

Anti-Rabbit IgG antibody (Green, bs-0295G-BF488), DAPI (blue, C02-04002) was used to stain the cell nuclei.

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