

VPARP antibody to the minor vault protein, clone P193-4 Monoclonal Antibody

Catalog No.: MON 9039

Quantity: 1 ml

Specificity

p193-4 reacts with an internal epitope (amino acids 491-494, HPGE) of the minor vault protein (p193 or VPARP), which is overexpressed in various human non-P-glycoprotein MDR tumor cell lines, accordingly to an increase in the number of vault particles. p193-4 was raised against an *E. coli* lysate transformed with the pET28a(+) expression vector containing amino acids 408-611 of the p193 cDNA.

Immunoglobulin type

Murine IgG_{2b} kappa

Use

p193 expression reflects vault density in human normal tissue and tumor samples. The antibody can be diluted 1:10-20 for immunohistochemical staining of paraformaldehyde (4%) fixed cytospin preparations and frozen tissue sections, and Western blotting (preferably with ECL). For immunohistochemistry apply the following pretreatment: 10 min 20 mM glycine in PBS (pH 7.5) and 10 min 6 N guanidine hydrochloride in 50 mM Tris-HCl (pH 7.5); Schroeijers *et al.*, 2000. Optimal conditions for staining paraffin-embedded tissues and FACS analyses have not yet been defined

Presentation

1 ml vials (>200 tests) containing antibody dissolved in 1% BSA containing 0.1% sodium azide. Concentration approx. 250 µg immunoglobulin/ml.

Storage

4°C. For extended storage, freeze at -20°C.

Literature

Schroeijers AB *et al.*, Cancer Res. 60: 1104, 2000; Kickhoefer VA *et al.*, J. Cell Biol. 146: 917, 1999; Kickhoefer VA *et al.*, J. Bio. Chem. 273: 8971, 1998; Scheper RJ *et al.*, Cancer Res. 53: 1475, 1993; Scheffer GL *et al.*, Nature Med. 1: 578, 1995; Izquierdo MA *et al.*, Cytotechnology 27: 137, 1998.

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