

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product name:</b>  | Phospho-PTEN (Ser380) Rabbit Polyclonal Antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Cat number:</b>    | ABN00944                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Conjugate:</b>     | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Size:</b>          | 100µL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Clone:</b>         | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Concentration:</b> | 1mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Host:</b>          | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Isotype:</b>       | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Immunogen:</b>     | A synthetic Phosphorylated peptide corresponding to residues target protein                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Reactivity:</b>    | Human, Mouse, Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Applications:</b>  | IHC 1:50-1:100, ICC/IF 1:100-1:200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Purification:</b>  | Affinity Purification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Form:</b>          | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Buffer:</b>        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Storage:</b>       | Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Background:</b>    | Tumor suppressor. Acts as a dual-specificity protein phosphatase, dephosphorylating tyrosine-, serine- and threonine-phosphorylated proteins. Also acts as a lipid phosphatase, removing the phosphate in the D3 position of the inositol ring from phosphatidylinositol 3,4,5-trisphosphate, phosphatidylinositol 3,4-diphosphate, phosphatidylinositol 3-phosphate and inositol 1,3,4,5-tetrakisphosphate with order of substrate preference in vitro PtdIns(3,4,5)P3 > PtdIns(3,4)P2 > PtdIns3P > Ins(1,3,4,5)P4. |