

|                          |                                                                                                                                                                                                                                                                               |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product name:</b>     | IDH1 Rabbit Monoclonal Antibody                                                                                                                                                                                                                                               |
| <b>Cat number:</b>       | MABN85119                                                                                                                                                                                                                                                                     |
| <b>Conjugate:</b>        | Unconjugated                                                                                                                                                                                                                                                                  |
| <b>Size:</b>             | 100µL                                                                                                                                                                                                                                                                         |
| <b>Clone:</b>            | Monoclonal                                                                                                                                                                                                                                                                    |
| <b>Concentration:</b>    | 1mg/ml                                                                                                                                                                                                                                                                        |
| <b>Host:</b>             | Rabbit                                                                                                                                                                                                                                                                        |
| <b>Isotype:</b>          | IgG                                                                                                                                                                                                                                                                           |
| <b>Immunogen:</b>        | A synthetic peptide of human Isocitrate dehydrogenase                                                                                                                                                                                                                         |
| <b>Reactivity:</b>       | Human, Mouse, Rat                                                                                                                                                                                                                                                             |
| <b>Applications:</b>     | WB 1:500-1:1000, IHC 1:50-1:100, IP 1:10-1:20                                                                                                                                                                                                                                 |
| <b>Molecular Weight:</b> | Calculated MW: 47 kDa; Observed MW: 47 kDa                                                                                                                                                                                                                                    |
| <b>Purification:</b>     | Affinity Purification                                                                                                                                                                                                                                                         |
| <b>Form:</b>             | Liquid                                                                                                                                                                                                                                                                        |
| <b>Buffer:</b>           | Purified antibody in TBS with 0.05% sodium azide, 0.05% BSA and 50% glycerol.                                                                                                                                                                                                 |
| <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>       | Genetic variations are associated with cartilaginous tumors such as enchondroma or chondrosarcoma. Mutations of Arg-132 to Cys, Gly or His abolish the conversion of isocitrate to alpha-ketoglutarate. Instead, alpha-ketoglutarate is converted to R(-)-2-hydroxyglutarate. |