

|                          |                                                                                                                                                                                                                                                                             |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product name:</b>     | Activin Receptor Type IA Rabbit Monoclonal Antibody                                                                                                                                                                                                                         |
| <b>Cat number:</b>       | MABN01609                                                                                                                                                                                                                                                                   |
| <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 Activin Receptor Type IA                                                                                                                                                                                                                       |
| <b>Reactivity:</b>       | Human, Mouse                                                                                                                                                                                                                                                                |
| <b>Applications:</b>     | WB 1:500-1:1000, IP 1:20-1:50                                                                                                                                                                                                                                               |
| <b>Molecular Weight:</b> | Calculated MW: 57 kDa; Observed MW: 57 kDa                                                                                                                                                                                                                                  |
| <b>Purification:</b>     | Affinity Purification                                                                                                                                                                                                                                                       |
| <b>Form:</b>             | Liquid                                                                                                                                                                                                                                                                      |
| <b>Buffer:</b>           | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA                                                                                                                                                                                       |
| <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>       | On ligand binding, forms a receptor complex consisting of two type II and two type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators. |