ELK Biotechnology

# CD292 rabbit pAb

## Cat No.:ES4258

**For research use only**

### Overview

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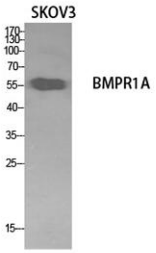
|---|---|
| **Product Name** | CD292 rabbit pAb |
| **Host species** | Rabbit |
| **Applications** | WB;ELISA |
| **Species Cross-Reactivity** | Human;Rat;Mouse; |
| **Recommended dilutions** | Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications. |
| **Immunogen** | The antiserum was produced against synthesized peptide derived from the N-terminal region of human BMPR1A. AA range:1-50 |
| **Specificity** | CD292 Polyclonal Antibody detects endogenous levels of CD292 protein. |
| **Formulation** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| **Storage** | Store at -20°C. Avoid repeated freeze-thaw cycles. |
| **Protein Name** | Bone morphogenetic protein receptor type-1A |
| **Gene Name** | BMPR1A |
| **Cellular localization** | Cell membrane ; Single-pass type I membrane protein . Cell surface . |
| **Purification** | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Clonality** | Polyclonal |
| **Concentration** | 1 mg/ml |
| **Observed band** | 60kD |
| **Human Gene ID** | 657 |
| **Human Swiss-Prot Number** | P36894 |
| **Alternative Names** | BMPR1A; ACVRLK3; ALK3; Bone morphogenetic protein receptor type-1A; BMP type-1A receptor; BMPR-1A; Activin receptor-like kinase 3; ALK-3; Serine/threonine-protein kinase receptor R5; SKR5; CD292 |
| **Background** | The bone morphogenetic protein (BMP) receptors are a family of transmembrane serine/threonine |

kinases that include the type I receptors BMPR1A and BMPR1B and the type II receptor BMPR2. These receptors are also closely related to the activin receptors, ACVR1 and ACVR2. The ligands of these receptors are members of the TGF-beta superfamily. TGF-betas and activins transduce their signals through the formation of heteromeric complexes with 2 different types of serine (threonine) kinase receptors: type I receptors of about 50-55 kD and type II receptors of about 70-80 kD. Type II receptors bind ligands in the absence of type I receptors, but they require their respective type I receptors for signaling, whereas type I receptors require their respective type II receptors for ligand binding. [provided by RefSeq, Jul 2008],




Western Blot analysis of SKOV3 cells using CD292 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000

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