

# **Product datasheet for TA303097**

# BMPR1A Goat Polyclonal Antibody

#### **Product data:**

**Product Type:** Primary Antibodies

Applications: WB

**Recommended Dilution:** ELISA: 1:16,000. WB: 1-3µg/ml.

**Reactivity:** Human (Expected from sequence similarity: Dog)

Host: Goat Isotype: IgG

Clonality: Polyclonal

**Immunogen:** Peptide with sequence C-KSDSDQKKSEN, from the internal region of the protein sequence

according to NP\_004320.2.

**Formulation:** Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum

albumin.

**Purification:** Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity

chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize

freezing and thawing.

Conjugation: Unconjugated

**Storage:** Store at -20°C as received.

**Stability:** Stable for 12 months from date of receipt.

**Gene Name:** bone morphogenetic protein receptor type 1A

Database Link: NP 004320

Entrez Gene 489077 DogEntrez Gene 657 Human

P36894



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## **BMPR1A Goat Polyclonal Antibody - TA303097**

**Background:** The bone morphogenetic protein (BMP) receptors are a family of transmembrane

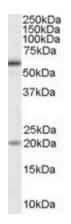
serine/threonine kinases that include the type I receptors BMPR1A and BMPR1B and the type II receptor BMPR2. These receptors are also closely related to the activin receptors, ACVR1 and ACVR2. The ligands of these receptors are members of the TGF-beta superfamily. TGF-betas and activins transduce their 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]

Synonyms: 10q23del; ACVRLK3; ALK3; CD292; SKR5

**Protein Families:** Druggable Genome, ES Cell Differentiation/IPS, Protein Kinase, Transmembrane

**Protein Pathways:** Cytokine-cytokine receptor interaction, TGF-beta signaling pathway

### **Product images:**



TA303097 (1ug/ml) staining of HeLa cell lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.