

BMPR2 Antibody (internal)
Peptide-affinity purified goat antibody
Catalog # AF2818a**Specification**

BMPR2 Antibody (internal) - Product Information

Application	WB, E
Primary Accession	Q13873
Other Accession	NP_001195.2 , 659
Reactivity	Human
Predicted	Mouse, Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	115201

BMPR2 Antibody (internal) - Additional Information**Gene ID** 659**Other Names**

Bone morphogenetic protein receptor type-2, BMP type-2 receptor, BMPR-2, 2.7.11.30, Bone morphogenetic protein receptor type II, BMP type II receptor, BMPR-II, BMPR2, PPH1

Dilution

WB~~1:1000

E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

BMPR2 Antibody (internal) is for research use only and not for use in diagnostic or therapeutic procedures.

BMPR2 Antibody (internal) - Protein Information**Name** BMPR2**Synonyms** PPH1**Function**

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. Can also mediate signaling through the activation of the p38MAPK cascade (PubMed:12045205). Binds to BMP7, BMP2 and, less efficiently, BMP4. Binding is weak but enhanced by the presence of type I receptors for BMPs. Mediates induction of adipogenesis by GDF6. Promotes signaling also by binding to activin A/INHBA (PubMed:24018044).

Cellular Location

Cell membrane; Single-pass type I membrane protein

Tissue Location

Highly expressed in heart and liver.

BMPR2 Antibody (internal) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

BMPR2 Antibody (internal) - Images

AF2818a (1 µg/ml) staining of Human Liver lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

BMPR2 Antibody (internal) - References

Stromal inactivation of BMPRII leads to colorectal epithelial overgrowth and polyp formation Beppu

H, Mwizerwa ON, Beppu Y, Dattwyler MP, Lauwers GY, Bloch KD, Goldstein AM Oncogene. 2008 Feb 14;27(8):1063-70. Epub 2007 Aug 13 PMID: 17700526