

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

Specification

BMPR2 Antibody (internal) - Product Information

Application	WB
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

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.

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