

BMPR-II Rabbit Polyclonal Antibody

Description

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| Product type | Primary Antibody |
| Code | BT-AP06581 |
| Host | Rabbit |
| Isotype | IgG |
| Size | 100ul, 50ul, 20ul |
| Immunogen | Synthesized peptide derived from human BMPR-II |
| Mol wt | 114180 |
| Species reactivity | Human, Mouse, Rat, Monkey |
| Clonality | Polyclonal |
| Recommended application | WB, ELISA |
| Concentration | 1 mg/ml |
| Full name | BMPR-II |
| Synonyms | BMPR-II; Bone morphogenetic protein receptor type-2; BMP type-2 receptor; BMPR-2; EC 2.7.11.30; Bone morphogenetic protein receptor type II; BMP type II receptor; BMPR-II |

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

This gene encodes a member of the bone morphogenetic protein (BMP) receptor family of transmembrane serine/threonine kinases. The ligands of this receptor are BMPs which are members of the TGF-beta superfamily. BMPs are involved in endochondral bone formation and embryogenesis. These proteins transduce their signals through the formation of heteromeric complexes of two 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. Mutations in this gene have been associated with primary pulmonary hypertension both familial and fenfluramine-associated and with pulmonary venoocclusive disease.

Recommended Dilution

WB: 1: 1000 - 1: 2000

ELISA: 1: 5000 - 1: 20000

Not yet tested in other applications.

Images

No images.

Storage

-20°C for 1 year