

## Product datasheet for **TA323210**

### **BMPR2 Rabbit Polyclonal Antibody**

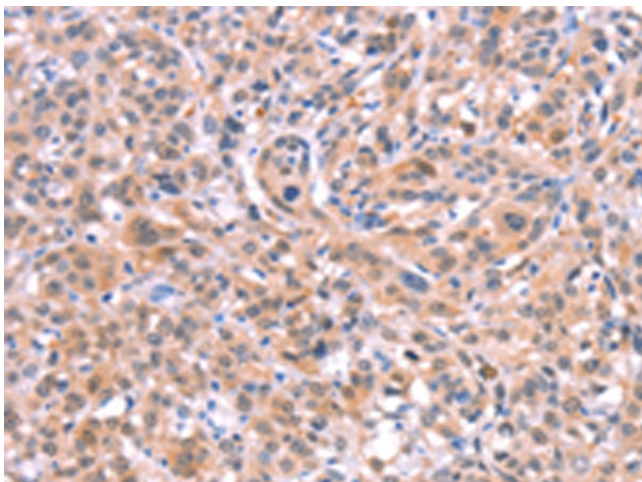
#### **Product data:**

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 25-100 Positive control: Human esophagus cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to a region derived from C terminal 250 amino acids of human bone morphogenetic protein receptor, type II (serine/threonine kinase)
Formulation:	PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
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 2
Database Link:	<a href="#">NP_001195</a> <a href="#">Entrez Gene 12168 Mouse</a> <a href="#">Entrez Gene 659 Human</a> <a href="#">Q13873</a>

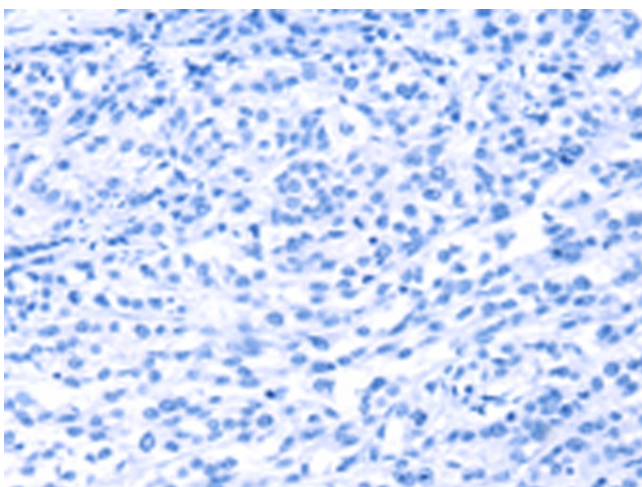


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- Background:** This gene encodes a member of the bone morphogenetic protein (BMP) receptor family of transmembrane serine/threonine kinases. The ligands of this receptor are BMPs; which are members of the TGF-beta superfamily. BMPs are involved in 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.
- Synonyms:** BMPR-II; BMPR3; BMR2; BRK-3; POVD1; PPH1; T-ALK
- Protein Families:** Druggable Genome, Protein Kinase, Transmembrane
- Protein Pathways:** Cytokine-cytokine receptor interaction, TGF-beta signaling pathway

**Product images:**

Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using TA323210 (BMPR2 Antibody) at dilution 1/35 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using TA323210 (BMPR2 Antibody) at dilution 1/35, treated with fusion protein. (Original magnification: ×200)