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anti-BMPR1B antibody (AA 134-162)

2 Images

Overview

Target:

Alternative Name:

Background:



Go to Product page

| Quantity: | 400 μL |
|----------------------|---|
| Target: | BMPR1B |
| Binding Specificity: | AA 134-162 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This BMPR1B antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |
| Product Details | |
| Immunogen: | This BMPR1B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 134-162 amino acids from the Central region of human BMPR1B. |
| Clone: | RB31760 |
| Isotype: | lg Fraction |
| Purification: | This antibody is purified through a protein A column, followed by peptide affinity purification. |
| Target Details | |

This gene encodes a member of the bone morphogenetic protein (BMP) receptor family of

BMPR1B

BMPR1B (BMPR1B Products)

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 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. Mutations in this gene have been associated with primary pulmonary hypertension.

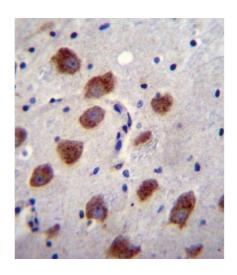
| Molecular Weight: | 56930 |
|-------------------|---|
| Gene ID: | 658 |
| NCBI Accession: | NP_001194, NP_001243721, NP_001243722, NP_001243723 |
| UniProt: | 000238 |

Application Details

| Application Notes: | WB: 1:1000. IHC-P: 1:10~50 |
|--------------------|----------------------------|
| Restrictions: | For Research Use only |

Handling

| Format: | Liquid |
|--------------------|--|
| Buffer: | Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | 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. |
| Expiry Date: | 6 months |



95 72 55 36 28

Immunohistochemistry (Paraffin-embedded Sections)

Image 1. BR1B Antibody (Center) (ABIN655973 and ABIN2845358) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of BR1B Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

Western Blotting

Image 2. BR1B Antibody (Center) (ABIN655973 and ABIN2845358) western blot analysis in cell line lysates (35 μ g/lane). This demonstrates the BR1B antibody detected the BR1B protein (arrow).