



[Go to Product page](#)

Datasheet for ABIN1724745

anti-BMPR1A antibody (AA 179-378)

7 Images

2 Publications

Overview

| | |
|----------------------|--|
| Quantity: | 100 µL |
| Target: | BMPR1A |
| Binding Specificity: | AA 179-378 |
| Reactivity: | Human, Mouse |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This BMPR1A antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunocytochemistry (ICC) |

Product Details

| | |
|---------------|--|
| Immunogen: | Purified recombinant fragment of human BMPR1A (AA: 179-378) expressed in E. coli. |
| Clone: | 4B7B2 |
| Isotype: | IgG1 |
| Purification: | purified |

Target Details

| | |
|-------------------|---|
| Target: | BMPR1A |
| Alternative Name: | BMPR1A (BMPR1A Products) |
| Background: | Description: The bone morphogenetic protein (BMP) receptors are a family of transmembrane |

Target Details

serine/threonine kinases that include the type I receptors BMPR1A and BMPR1B and the type II receptor BMPR2. These receptors are also closely related to the activin receptors, ACVR1 and ACVR2. The ligands of these receptors are members of the TGF-beta superfamily. TGF-betas and activins transduce their signals through the formation of heteromeric complexes with 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. , ,

Aliases: ALK3, SKR5, CD292, ACVRLK3, 10q23del

Molecular Weight: 60 kDa

Gene ID: 657

HGNC: 657

Pathways: [Stem Cell Maintenance](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, ICC: 1:200 - 1:1000, FCM: 1:200 - 1:400

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % 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: 4°C, -20°C for long term storage

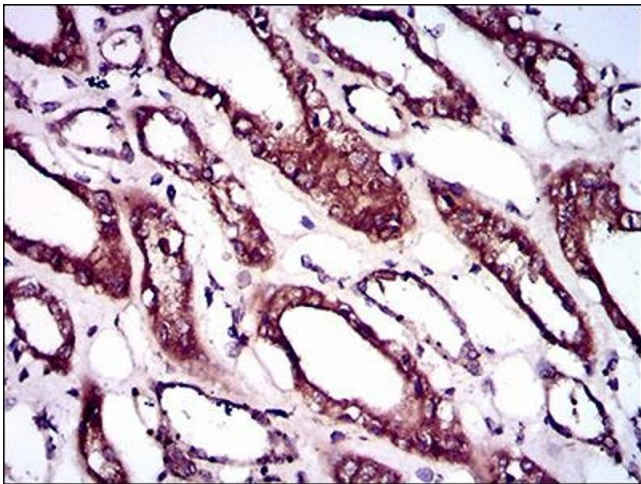
Publications

Product cited in: Nickel, Kotsch, Sebald, Mueller: "Purification, crystallization and preliminary data analysis of the ligand-receptor complex of the growth and differentiation factor 5 variant R57A (GDF5R57A) and BMP receptor IA (BRIA)." in: **Acta crystallographica. Section F, Structural**

biology and crystallization communications, Vol. 67, Issue Pt 5, pp. 551-5, (2011) ([PubMed](#)).

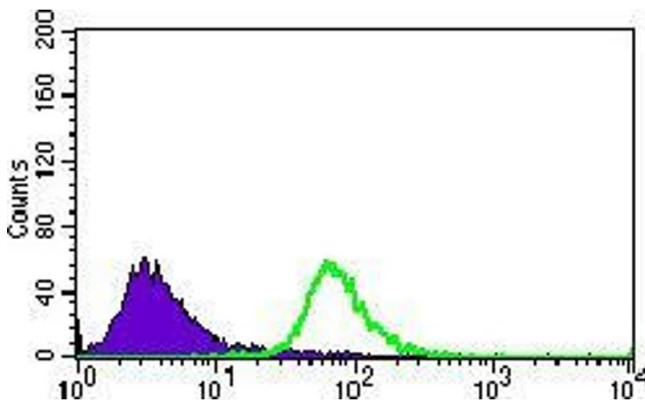
Nieminen, Abdel-Rahman, Ristimäki, Lappalainen, Lahermo, Mecklin, Järvinen, Peltomäki: "BMPR1A mutations in hereditary nonpolyposis colorectal cancer without mismatch repair deficiency." in: **Gastroenterology**, Vol. 141, Issue 1, pp. e23-6, (2011) ([PubMed](#)).

Images



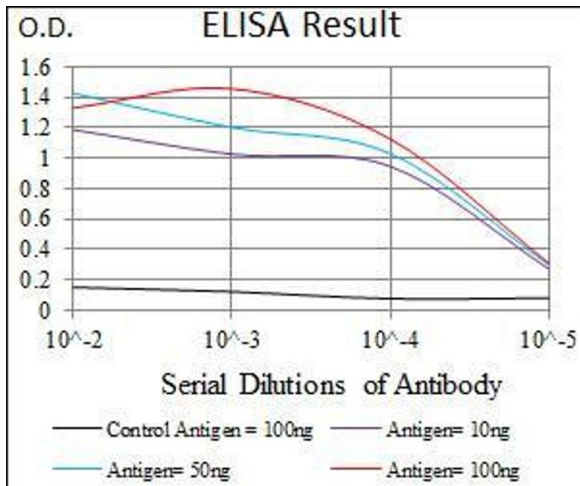
Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded kidney tissues using BMPR1A mouse mAb with DAB staining.



Flow Cytometry

Image 2. Flow cytometric analysis of HeLa cells using BMPR1A mouse mAb (green) and negative control (purple).



ELISA

Image 3. Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN1724745.