

Datasheet for ABIN3030193
anti-BMPR2 antibody (AA 27-56)[Go to Product page](#)

3 Images

Overview

| | |
|----------------------|--|
| Quantity: | 0.4 mL |
| Target: | BMPR2 |
| Binding Specificity: | AA 27-56 |
| Reactivity: | Human, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This BMPR2 antibody is un-conjugated |
| Application: | ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS) |

Product Details

| | |
|---------------|--|
| Immunogen: | A portion of amino acids 27-56 from the human protein was used as the immunogen for this BMPR2 antibody. |
| Isotype: | Ig Fraction |
| Purification: | Purified |

Target Details

| | |
|-------------------|---|
| Target: | BMPR2 |
| Alternative Name: | BMPR2 (BMPR2 Products) |
| Background: | BMPR2 is 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 |

Target Details

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 BMPR2 have been associated with primary pulmonary hypertension.

UniProt: [Q13873](#)

Pathways: [Growth Factor Binding](#)

Application Details

Application Notes: Titration of the BMPR2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. IHC (Paraffin): 1:50-1:100,Flow Cytometry: 1:10-1:50

Restrictions: For Research Use only

Handling

Format: Liquid

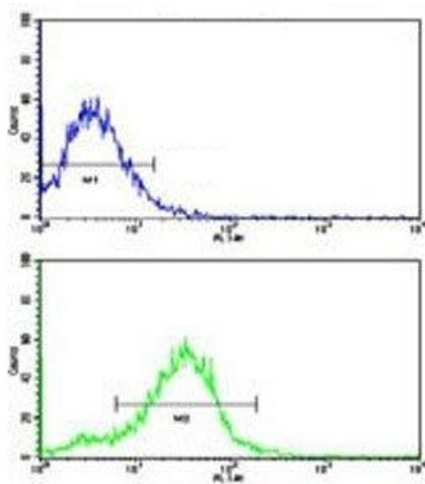
Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

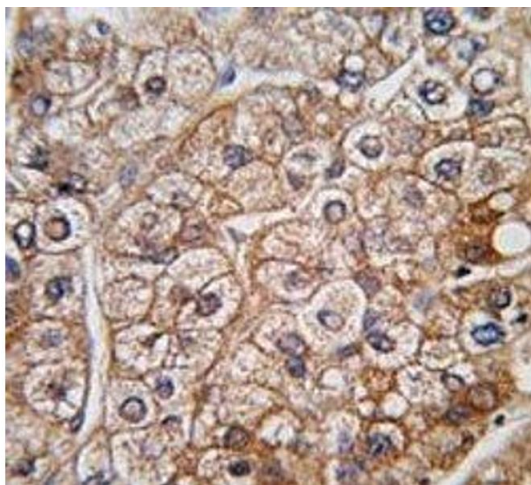
Storage: -20 °C

Storage Comment: Aliquot the BMPR2 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



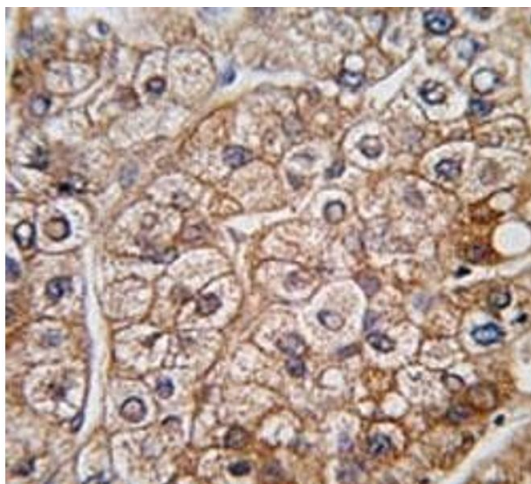
Flow Cytometry

Image 1. Flow cytometric analysis of HepG2 cells using BMPR2 antibody (green) compared to a negative control (blue). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



Immunohistochemistry

Image 2. IHC analysis of FFPE human hepatocarcinoma tissue stained with BMPR2 antibody



Immunohistochemistry

Image 3. IHC analysis of FFPE human hepatocarcinoma tissue stained with BMPR2 antibody