

Anti-BMP2 Antibody (9I236)

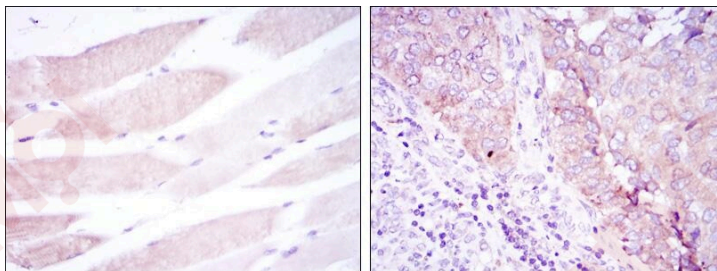
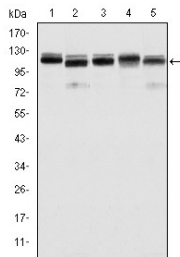
Product Details

Reactivity: Human, Mouse, Rat
Conjugation: Unconjugated
Clone: 9I236

Applications

Verified Activity:

- Western Blot analysis using BMP2 Monoclonal Antibody against HeLa (1), A431 (2), NIH/3T3 (3), Cos7 (4) and PC-12 (5) cell lysate.
- Immunohistochemistry analysis of paraffin-embedded muscle tissues (left) and kidney cancer tissues (right) with DAB staining using BMP2 Monoclonal Antibody.



Application: ICC/IF, IHC-P, WB
Recommended: WB: 1:500-2000; IHC-P: 1:200-1000; ICC/IF: 1:200-1000

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein: human BMPR-II
Antigen Species: human
Uniprot ID: Q13873
Synonyms: BMR2;BMPR3;POVD1;T-ALK;PPH1;BRK-3;BMPR-II;bone morphogenetic protein receptor, type II (serine/threonine kinase)

Research Background

bone morphogenetic protein receptor type 2(BMPR2) Homo sapiens 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

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