

Anti-BMPRI B Antibody (5K774)

Product Details

Ig Type:	Mouse IgG1
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	5K774
Purification:	Protein A

Applications

Application:	ELISA
Recommended	ELISA: 1:1000-1:2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human ALK-6 / BMPRI B protein (TMPY-04367)
Antigen Species:	Human
Synonyms:	AV355320;AI385617;bone morphogenetic protein receptor, type IB;BMPRI-B;CFK-43a;SKR6;Alk6;BMPRI-1B;Acvrlk6;ALK-6

Research Background

BMPRI B (bone morphogenetic protein receptor, type IB), also known as ALK6, is a member of the bone morphogenetic protein (BMP) receptor family. 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. BMPRI B is the major transducer of signals in precartilaginous condensations as demonstrated in experiments using constitutively active BMPRI B receptors. BMPRI B is a more effective transducer of GDF5 than BMPRI A. Unlike BMPRI A null mice, which die at an early embryonic stage, BMPRI B null mice are viable.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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