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BMPR1A Antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI16096

Product Information

Application	WB
Primary Accession	P36894
Other Accession	XP_005270121
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	60198

Additional Information

Gene ID	657
Alias Symbol	BMPR1A, ACVRLK3, ALK3,
Other Names	Bone morphogenetic protein receptor type-1A, BMP type-1A receptor, BMPR-1A, 2.7.11.30, Activin receptor-like kinase 3, ALK-3, Serine/threonine-protein kinase receptor R5, SKR5, CD292, BMPR1A, ACVRLK3, ALK3
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 &mu, l of distilled water. Final Anti-BMPR1A antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.
Precautions	BMPR1A Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	BMPR1A
Synonyms	ACVRLK3, ALK3
Function	On ligand binding, forms a receptor complex consisting of two type II and two type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators. Receptor for BMP2, BMP4, GDF5 and GDF6. Positively regulates chondrocyte differentiation through GDF5 interaction. Mediates induction of adipogenesis by GDF6. May promote the expression of HAMP, potentially via its interaction with BMP2 (By

similarity).

Cellular Location Cell membrane; Single-pass type I membrane protein. Cell surface {ECO:0000250|UniProtKB:P36895}

Tissue Location Highly expressed in skeletal muscle.

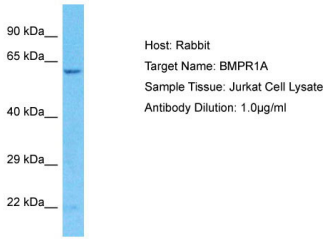
Background

On ligand binding, forms a receptor complex consisting of two type II and two type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators. Receptor for BMP-2 and BMP-4.

References

ten Dijke P.,et al.Oncogene 8:2879-2887(1993).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Mahlawat P.,et al.Biochemistry 51:6328-6341(2012).
Kirsch T.,et al.Nat. Struct. Biol. 7:492-496(2000).
Howe J.R.,et al.Nat. Genet. 28:184-187(2001).

Images



Host: Rabbit
Target Name: BMPR1A
Sample Tissue: Jurkat Whole Cell lysates
Antibody Dilution: 1.0µg/ml

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.