

**Product Name: Activin A Receptor Type IB Rabbit
Monoclonal Antibody
Catalog #: AMRe01608**

Summary

Production Name	Activin A Receptor Type IB Rabbit Monoclonal Antibody
Description	Recombinant Rabbit Monoclonal antibody
Host	Rabbit
Application	WB,ICC/IF
Reactivity	Mouse,Rat,Hamster

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Purification	Affinity Purified

Immunogen

Gene Name	ACVR1B
Alternative Names	ACVR1B; ACVRLK4; ALK4; Activin receptor type-1B; Activin receptor type IB; ACTR-IB; Activin receptor-like kinase 4; ALK-4; Serine/threonine-protein kinase receptor R2; SKR2
Gene ID	91
SwissProt ID	P36896

Application

Dilution Ratio	WB: 1/500-1/1000 IF: 1/50-1/200
Molecular Weight	Calculated MW: 57 kDa; Observed MW: 57 kDa

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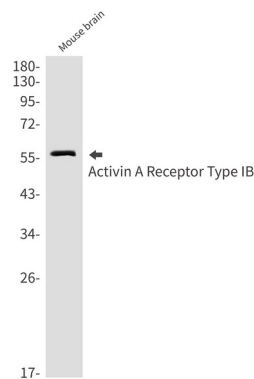
Background

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. Phosphorylates TDP2.

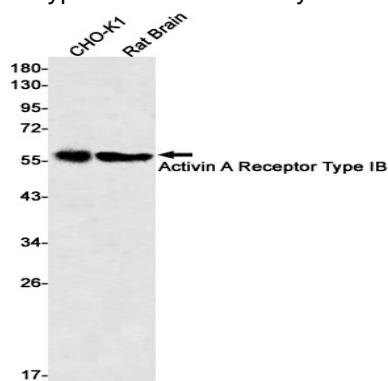
Research Area

Signal Transduction

Image Data

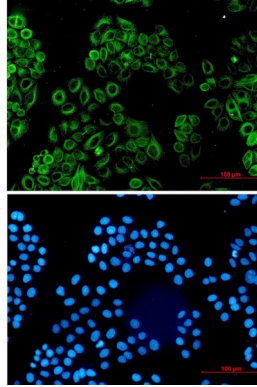


Western blot analysis of Activin A Receptor Type IB in mouse brain lysates using Activin A Receptor Type IB antibody.



Western blot analysis of Activin A Receptor Type IB in CHO-K1, rat Brain lysates using Activin A Receptor Type IB antibody.

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Immunocytochemistry analysis of Activin A Receptor Type IB (green) in hela using Activin A Receptor Type IB antibody, and DAPI(blue)

Note

For research use only.