

Anti-Activin A Receptor Type IB Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

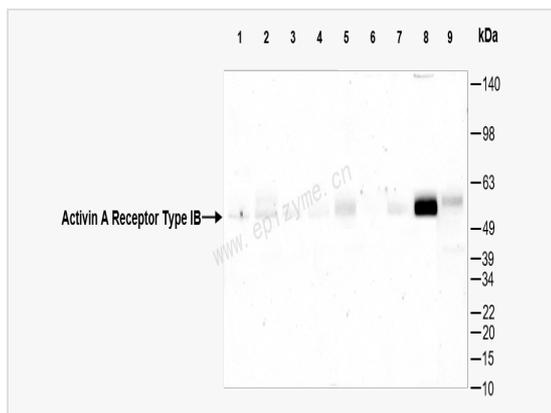
Catalog # R013367

Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:5,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	37L14L70
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Activin A Receptor Type IB
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Activin A Receptor Type IB Rabbit mAb [37L14L70] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	Activin A receptor type 1B, Activin A receptor type II like kinase 4, Activin A type 1B receptor, Activin A type IB receptor, Activin receptor like kinase 4, Activin receptor type 1B, Activin receptor type IB, Activin receptor type-1B, Activin receptor-like kinase 4, ACTR 1B, ACTR-1B, ACTR1B, ACV1B_HUMAN, ACVR 1B, Acvr1b, ACVRLK 4, ACVRLK4, ALK 4, ALK-4, ALK4, Serine(threonine) protein kinase receptor R2, Serine/threonine-protein kinase receptor R2, SKR 2, SKR2.
Calculated MW	Calculated MW: 57 kDa; Observed MW: 57 kDa
Uniprot ID	P36896
Gene ID	91
Background	This gene encodes an activin A type IB receptor. Activins are dimeric growth and differentiation factors which belong to the transforming growth factor-beta (TGF-beta) superfamily of structurally related signaling proteins. Activins signal through a heteromeric complex of receptor serine kinases which include at least two type I and two type II receptors. This protein is a type I receptor which is essential for signaling. Mutations in this gene are associated with pituitary tumors. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Jun 2010]
Cellular Location	Membrane.
Tissue Location	Expressed in many tissues, most strongly in kidney, pancreas, brain, lung, and liver.



Western Blot - Anti-Activin A Receptor Type IB Rabbit mAb [37L14L70]

All lanes: R013367 at 1:5,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: SW620 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 5: Caco2 (Human colorectal adenocarcinoma epithelial cell) whole cell lysates

Lane 6: Jurkat (Human T lymphocytic leukemia cell) whole cell lysates

Lane 7: 293T (Human embryonic kidney cell) whole cell lysates

Lane 8: SCC-9 (Human tongue squamous carcinoma epithelial cell) whole cell lysates

Lane 9: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates

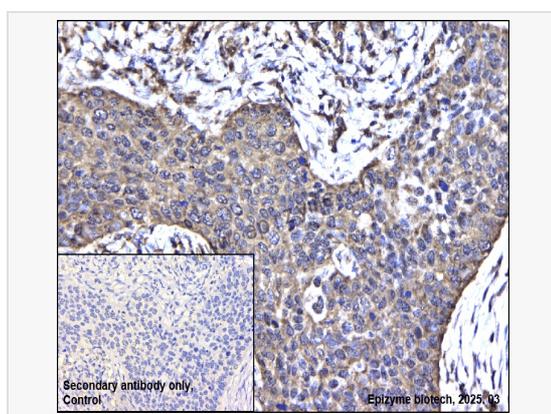
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 57 kDa

Observed band size: 57 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-Activin A Receptor Type IB Rabbit mAb [37L14L70]

Sample: Paraformaldehyde-fixed, paraffin embedded human lung cancer tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R013367 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.