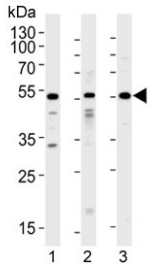
ALK2 Antibody / ACVR1 (F54223)

Catalog No.	Formulation	Size
F54223-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54223-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	Q04771
Applications	Western blot: 1:500-1:1000
Limitations	This ALK2 antibody is available for research use only.



Western blot testing of 1) human A549, 2) human HepG2 and 3) rat testis lysate with ALK2 antibody at 1:1000. Predicted molecular weight ~57 kDa.

Description

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 (I and IB) and two type II (II and IIB) receptors. These receptors are all transmembrane proteins, composed of a ligand-binding extracellular domain with cysteine-rich region, a transmembrane domain, and a cytoplasmic domain with predicted serine/threonine specificity. Type I receptors are essential for signaling; and type II receptors are required for binding ligands and for expression of type I receptors. Type I and II receptors form a stable complex after ligand binding, resulting in phosphorylation of type I receptors by type II receptors. ACVR1 (activin A

type I receptor) signals a particular transcriptional response in concert with activin type II receptors.

Application Notes

Titration of the ALK2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 6-34 from the human protein was used as the immunogen for this ALK2 antibody.

Storage

Aliquot the ALK2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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