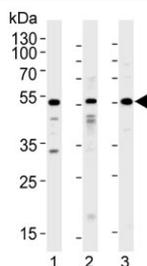


ALK2 Antibody / ACVR1 (F54223)

| 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.