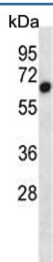


ALK2 Antibody / ACVR1 (F54674)

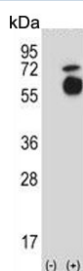
Catalog No.	Formulation	Size
F54674-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54674-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	P37172
Applications	Immunohistochemistry (FFPE) : 1:25 Western Blot : 1:500-1:2000
Limitations	This ALK2 antibody is available for research use only.



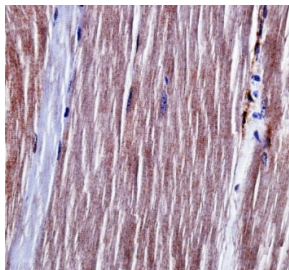
Western blot testing of mouse bladder tissue lysate with ALK2 antibody. Predicted molecular weight ~57 kDa.



Western blot testing of 1) non-transfected and 2) transfected 293 cell lysate with ALK2 antibody. Predicted molecular weight ~57 kDa.

kDa
95
72
55
36
28

Western blot testing of human HeLa cell lysate with ALK2 antibody. Predicted molecular weight ~57 kDa.



IHC testing of FFPE mouse skeletal muscle tissue with ALK2 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.

Description

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 activin. May be involved in left-right pattern formation during embryogenesis.

Application Notes

The stated application concentrations are suggested starting points. Titration of the ALK2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 137-166 from the mouse protein was used as the immunogen for the ALK2 antibody.

Storage

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