

ERBB4 Rabbit Polyclonal Antibody

Catalog No: #54975

Package Size: #54975-1 50ul #54975-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

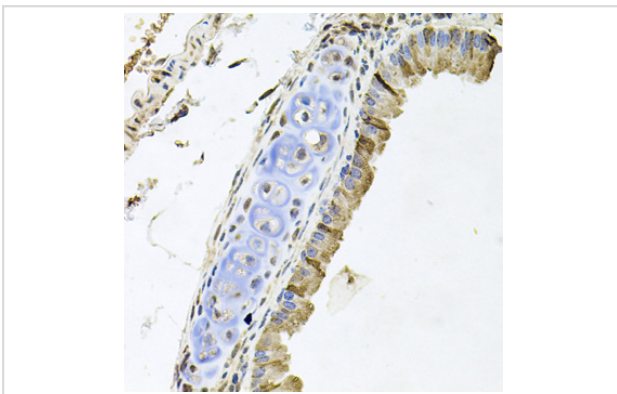
Description

Product Name	ERBB4 Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant fusion protein of human ERBB4 (NP_005226.1).
Other Names	ALS19;HER4;p180erbB4;ERBB4;HER4/ErbB4
Accession No.	Swiss Prot:Q15303GeneID:2066
Calculated MW	143kDa/145kDa/146kDa
SDS-PAGE MW	180kDa
Formulation	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

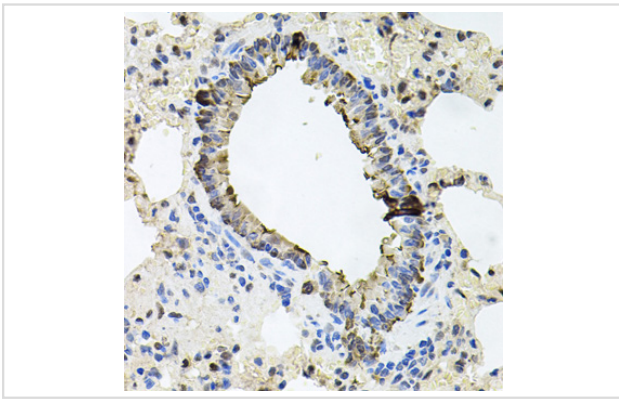
Application Details

WB □ 1:500 - 1:2000 IHC □ 1:50 - 1:200 IF □ 1:50 - 1:200

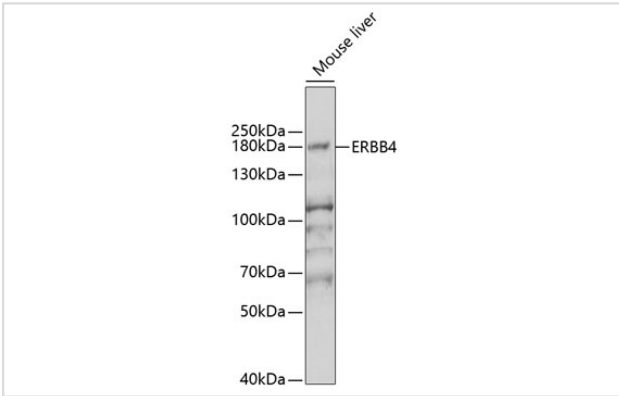
Images



Immunohistochemistry of paraffin-embedded mouse lung using ERBB4 at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded rat lung using ERBB4 at dilution of 1:100 (40x lens).



Western blot analysis of extracts of mouse brain, using ERBB4 at 1:1000 dilution.

Background

This gene is a member of the Tyr protein kinase family and the epidermal growth factor receptor subfamily. It encodes a single-pass type I membrane protein with multiple cysteine rich domains, a transmembrane domain, a tyrosine kinase domain, a phosphatidylinositol-3 kinase binding site and a PDZ domain binding motif. The protein binds to and is activated by neuregulins and other factors and induces a variety of cellular responses including mitogenesis and differentiation. Multiple proteolytic events allow for the release of a cytoplasmic fragment and an extracellular fragment. Mutations in this gene have been associated with cancer. Alternatively spliced variants which encode different protein isoforms have been described; however, not all variants have been fully characterized.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.