Product Datasheet

ACVR2A antibody

Catalog No: #38330

Package Size: #38330-1 50ul #38330-2 100ul

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

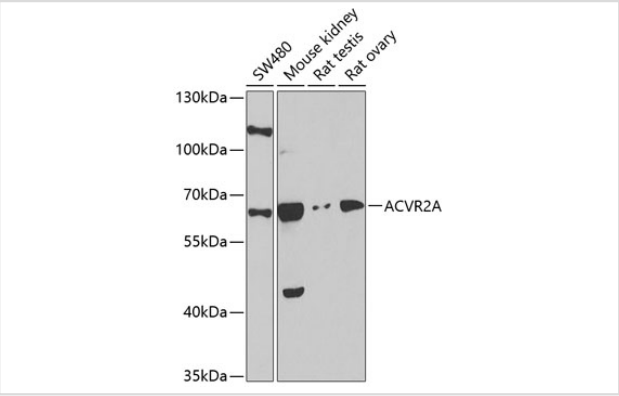
Description

Product Name	ACVR2A antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total ACVR2A protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human ACVR2A.
Target Name	ACVR2A
Other Names	ACVR2; ACTRII;
Accession No.	Swiss-Prot#: P27037NCBI Gene ID: 92
Uniprot	P27037
GeneID	92;
SDS-PAGE MW	57kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

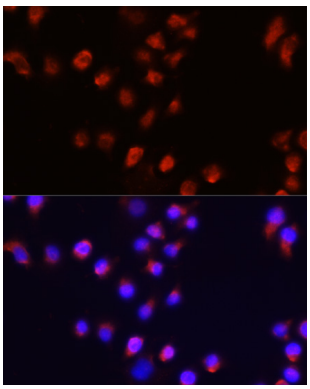
Application Details

WB□1:500 - 1:2000IHC□1:100 - 1:200IF□1:50 - 1:200

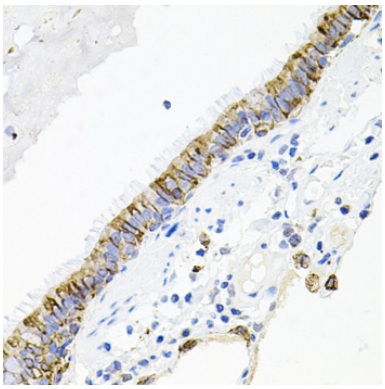
Images



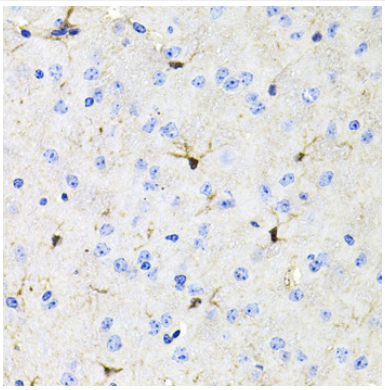
Western blot analysis of extracts of various cell lines, using ACVR2A at 1:1000 dilution.



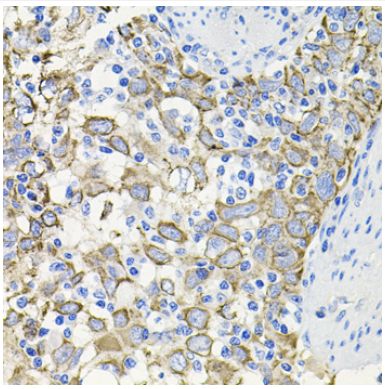
Immunofluorescence analysis of A431 cells using ACVR2A at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunohistochemistry of paraffin-embedded human lung using ACVR2A at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse brain using ACVR2A at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human esophageal cancer using ACVR2A at dilution of 1:100 (40x lens).

Background

This gene encodes a receptor that mediates the functions of activins, which are members of the transforming growth factor-beta (TGF-beta) superfamily involved in diverse biological processes. The encoded protein is a transmembrane serine-threonine kinase receptor which mediates signaling by forming heterodimeric complexes with various combinations of type I and type II receptors and ligands in a cell-specific manner. The encoded type II receptor is primarily involved in ligand-binding and includes an extracellular ligand-binding domain, a transmembrane domain and a cytoplasmic serine-threonine kinase domain. This gene may be associated with susceptibility to preeclampsia, a pregnancy-related disease which can result in maternal and fetal morbidity and mortality. Alternative splicing results in multiple transcript variants of this gene.

Note: This product is for in vitro research use only