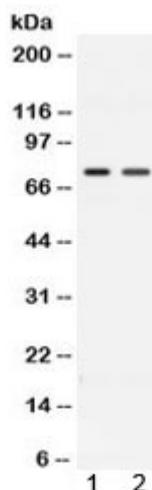


ACVR2A Antibody (R32495)

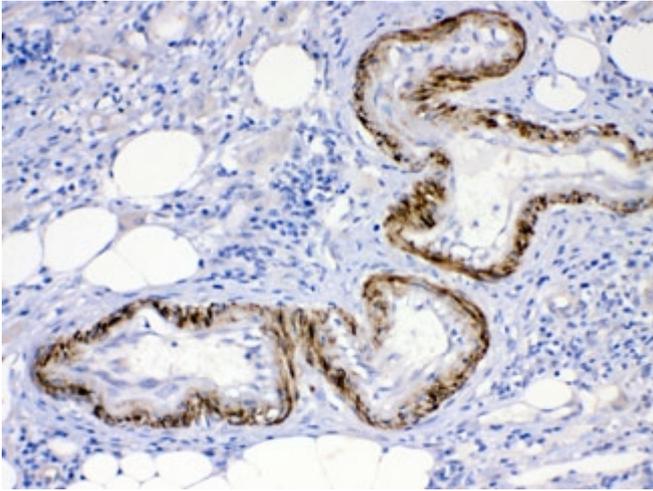
Catalog No.	Formulation	Size
R32495	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P27037
Localization	Cytoplasmic, membranous
Applications	Western blot : 0.5-1ug/ml IHC (FFPE) : 1-2ug/ml
Limitations	This ACVR2A antibody is available for research use only.



Western blot testing of 1) rat kidney and 2) human HeLa lysate with ACVR2A antibody at 0.5ug/ml. Predicted molecular weight ~58/70-80 kDa (unmodified/glycosylated).



IHC testing of FFPE human intestinal cancer tissue with ACVR2A antibody at 1ug/ml. HIER: steam sections in pH6 citrate buffer for 20 min.

Description

Activin receptor type-2A is a protein that in humans is encoded by the ACVR2A gene. ACVR2A is an activin type 2 receptor. 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.

Application Notes

Differences in protocols and secondary/substrate sensitivity may require the ACVR2A antibody to be titrated for optimal performance.

Immunogen

Amino acids Q421-L513 from the human protein were used as the immunogen for the ACVR2A antibody.

Storage

After reconstitution, the ACVR2A antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.