ARG45331
anti-ACVR2A antibody [6J16]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [6J16] recognizes ACVR2A
Tested Reactivity	Hu
Tested Application	IHC-P
Host	Mouse
Clonality	Monoclonal
Clone	6J16
Isotype	IgG2
Target Name	ACVR2A
Species	Human
Immunogen	Recombinant Human ACVR2A.
Conjugation	Un-conjugated
Alternate Names	ACVR2A; Activin A Receptor Type 2A; ACTRII; ACVR2; Activin A Receptor, Type IIA; Activin Receptor Type-2A; EC 2.7.11.30 47; Activin A Receptor, Type II; Activin Receptor Type IIA; EC 2.7.11 47; ACTR-IIA; ACTRIIA

Application Instructions

Application table

Application	Dilution
IHC-P	1:50 - 1:100

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

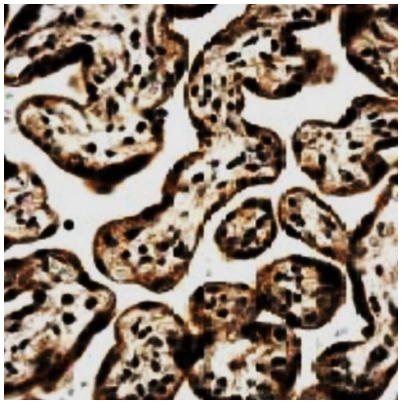
Properties

Form	Powder
Purification	Protein G chromatography
Buffer	PBS
Reconstitution	PBS
Concentration	0.2 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	ACVR2A
Gene Full Name	Activin A Receptor Type 2A
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. [provided by RefSeq, Jun 2013]
Function	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 A, activin B and inhibin A. [UniProt]
Calculated Mw	57 kDa
PTM	Disulfide bond; Glycoprotein. [UniProt]
Cellular Localization	Cell membrane; Membrane. [UniProt]

Images



ARG45331 anti-ACVR2A antibody [6J16] IHC-P image

Immunohistochemistry: Human placenta stained with ARG45331 anti-ACVR2A antibody [6J16].