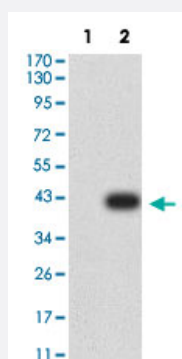


ACVR1 monoclonal antibody, clone 2E2C11

Catalog # MAB17926

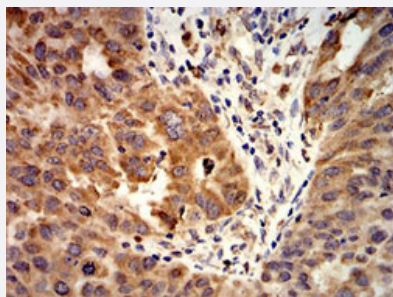
Size 100 ug

Applications



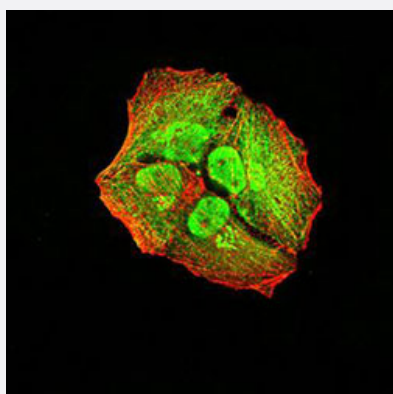
Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: HEK293 and Lane 2: ACVR1-hlgFc transfected HEK293 cell lysates with ACVR1 monoclonal antibody, clone 2E2C11 (Cat # MAB17926).



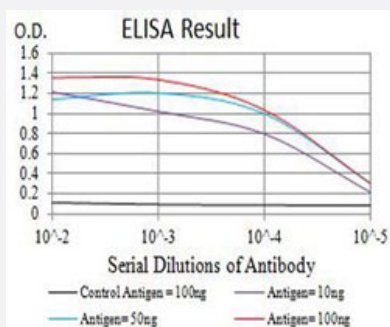
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human ovarian cancer with ACVR1 monoclonal antibody, clone 2E2C11 (Cat # MAB17926).



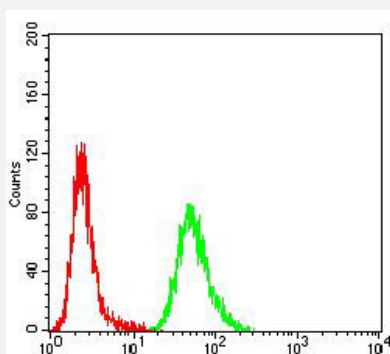
Immunofluorescence

Immunofluorescent staining of HeLa cells with ACVR1 monoclonal antibody, clone 2E2C11 (Cat # MAB17926) (Green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Enzyme-linked Immunoabsorbent Assay

ELISA analysis with ACVR1 monoclonal antibody, clone 2E2C11 (Cat # MAB17926).



Flow Cytometry

Flow cytometric analysis of HeLa cells with ACVR1 monoclonal antibody, clone 2E2C11 (Cat # MAB17926) (Green). Red: Negative Control.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human ACVR1.
Immunogen	Recombinant protein corresponding to amino acids 21-120 of human ACVR1.
Host	Mouse
Theoretical MW (kDa)	57.2
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Flow Cytometry (1:200-1:400) Immunofluorescence (1:200-1:1000) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) Western Blot (1:100-1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: HEK293 and Lane 2: ACVR1-hlgGfc transfected HEK293 cell lysates with ACVR1 monoclonal antibody, clone 2E2C11 (Cat # MAB17926).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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- Immunofluorescence

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- Enzyme-linked Immunoabsorbent Assay

ELISA analysis with ACVR1 monoclonal antibody, clone 2E2C11 (Cat # MAB17926).

- Flow Cytometry

Flow cytometric analysis of HeLa cells with ACVR1 monoclonal antibody, clone 2E2C11 (Cat # MAB17926) (Green). Red: Negative Control.

Gene Info — ACVR1

Entrez GeneID[90](#)**Protein Accession#**[Q04771](#)**Gene Name**

ACVR1

Gene Alias

ACTRI, ACVR1A, ACVRLK2, ALK2, FOP, SKR1, TSRI

Gene Description

activin A receptor, type I

Omim ID[102576 135100](#)**Gene Ontology**[Hyperlink](#)

Gene Summary

Activins are dimeric growth and differentiation factors which belong to the transforming growth factor-beta (TGF-beta) superfamily of structurally related signaling proteins. Activins signal through a heteromeric complex of receptor serine kinases which include at least two type I (I and IB) and two type II (II and IIB) receptors. These receptors are all transmembrane proteins, composed of a ligand-binding extracellular domain with cysteine-rich region, a transmembrane domain, and a cytoplasmic domain with predicted serine/threonine specificity. Type I receptors are essential for signaling; and type II receptors are required for binding ligands and for expression of type I receptors. Type I and II receptors form a stable complex after ligand binding, resulting in phosphorylation of type I receptors by type II receptors. This gene encodes activin A type I receptor which signals a particular transcriptional response in concert with activin type II receptors. Mutations in this gene are associated with fibrodysplasia ossificans progressive. [provided by RefSeq]

Other Designations

TGF-B superfamily receptor type II|activin A receptor, type II-like kinase 2|activin A type I receptor|hydroxyalkyl-protein kinase|serine/threonine-protein kinase receptor R1

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [TGF-beta signaling pathway](#)

Disease

- [Abortion](#)
- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Infertility](#)
- [Intracranial Aneurysm](#)
- [Narcolepsy](#)
- [Neoplasms](#)
- [Obesity](#)
- [Ovarian cancer](#)
- [Ovarian Failure](#)
- [Ovarian Neoplasms](#)
- [Polycystic Ovary Syndrome](#)

- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Puberty](#)
- [Stroke](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)