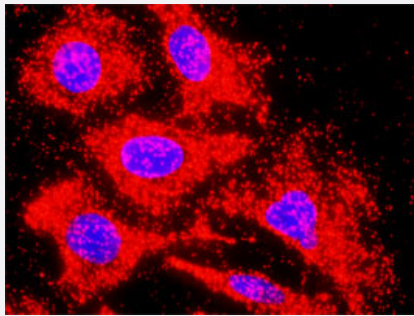


ACVR1C monoclonal antibody (M01), clone 2E3

Catalog # H00130399-M01

Size 100 ug

Applications



In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between INHBB and ACVR1C. HeLa cells were stained with anti-INHBB rabbit purified polyclonal 1:1200 and anti-ACVR1C mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant ACVR1C.
Immunogen	ACVR1C (AAH22530.1, 23 a.a. ~ 112 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	SPGLKCVCLLCDSSNFTCQTEGACWASVMLTNGKEQVIKSCVSLPELNAQVFCHSSNNVTKTECCFTDFCNNITLHLPTASPNAPKLGPM
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- ELISA
- *In situ* Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between INHBB and ACVR1C. HeLa cells were stained with anti-INHBB rabbit purified polyclonal 1:1200 and anti-ACVR1C mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Gene Info — ACVR1C

Entrez GeneID [130399](#)

GeneBank Accession# [BC022530](#)

Protein Accession# [AAH22530.1](#)

Gene Name ACVR1C

Gene Alias ACVRLK7, ALK7

Gene Description activin A receptor, type IC

Omim ID [608981](#)

Gene Ontology [Hyperlink](#)

Gene Summary ACVR1C is a type I receptor for the TGFB (see MIM 190180) family of signaling molecules. Upon ligand binding, type I receptors phosphorylate cytoplasmic SMAD transcription factors, which then translocate to the nucleus and interact directly with DNA or in complex with other transcription factors (Bondestam et al., 2001 [PubMed 12063393]).[supplied by OMIM]

Other Designations activin receptor-like kinase 7

Pathway

- [Adherens junction](#)
- [Chronic myeloid leukemia](#)
- [Colorectal cancer](#)
- [Cytokine-cytokine receptor interaction](#)

- [Endocytosis](#)
- [MAPK signaling pathway](#)
- [Pancreatic cancer](#)
- [Pathways in cancer](#)
- [TGF-beta signaling pathway](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)