

Anti-ACVR2B Antibody (7P717)

Product Details

Ig Type:	hIgG1
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	7P717
Purification:	Affinity-chromatography

Applications

1. The Binding Activity of Human ACVR2A with Anti-ACVR2A&ACVR2B recombinant antibody Activity: Measured by its binding ability in a functional ELISA. Immobilized Human ACVR2A at 2 µg/mL can bind Anti-ACVR2A&ACVR2B recombinant antibody. The EC50 is 3.848-4.375 ng/mL.
2. The Binding Activity of Mouse ACVR2A with Anti-ACVR2A&ACVR2B recombinant antibody Activity: Measured by its binding ability in a functional ELISA. Immobilized Mouse ACVR2A at 2 µg/mL can bind Anti-ACVR2A&ACVR2B recombinant antibody. The EC50 is 1.562-1.966 ng/mL.
3. The Binding Activity of Mouse Acvr2b with Anti-ACVR2A&ACVR2B recombinant antibody Activity: Measured by its binding ability in a functional ELISA. Immobilized Mouse Acvr2b at 2 µg/mL can bind Anti-ACVR2A&ACVR2B recombinant antibody. The EC50 is 3.560-4.235 ng/mL.
4. The Binding Activity of Human ACVR2B with Anti-ACVR2A&ACVR2B recombinant antibody Activity: Measured by its binding ability in a functional ELISA. Immobilized Human ACVR2B at 2 µg/mL can bind Anti-ACVR2A&ACVR2B recombinant antibody. The EC50 is 2.983-3.438 ng/mL.
5. IHC image of TMAH-00023 diluted at 1:200 and staining in paraffin-embedded human placenta tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-human polymer IgG labeled by HRP and visualized using 0.05% DAB.
6. IHC image of TMAH-00023 diluted at 1:200 and staining in paraffin-embedded human colon cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-human polymer IgG labeled by HRP and visualized using 0.05% DAB.
7. Immunofluorescence staining of SH-SY5Y cell with TMAH-00023 at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Human IgG(H+L).
8. The purity of ACVR2A&ACVR2B was greater than 95% as determined by SEC-HPLC
- Verified Activity:

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Application: ELISA, IHC, IF
Recommended IHC:1:50-1:200; IF:1:50-1:200.

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein: Human ACVR2B Protein
Antigen Species: Human
Uniprot ID: Q13705
Synonyms: HTX4;activin A receptor, type IIB;Activin RIIB;ActR-IIB;ACTRIIB
Biology Area: Signal transduction, Stem cells

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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