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Datasheet for ABIN2782111 anti-ACVR2B antibody (Middle Region)

3 Images



Overview

| Quantity: | 100 µL |
|----------------------|--|
| Target: | ACVR2B |
| Binding Specificity: | Middle Region |
| Reactivity: | Human, Rat, Mouse, Dog, Cow, Guinea Pig, Horse, Sheep, Zebrafish (Danio rerio), Rabbit, Goat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This ACVR2B antibody is un-conjugated |
| Application: | Western Blotting (WB) |

Product Details

| Immunogen: | The immunogen is a synthetic peptide directed towards the middle region of human ACVR2B |
|-----------------------|---|
| Sequence: | KSKNVLLKSD LTAVLADFGL AVRFEPGKPP GDTHGQVGTR RYMAPEVLEG |
| Predicted Reactivity: | Cow: 100%, Dog: 100%, Goat: 85%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 77%, Rat: 100%, Sheep: 100%, Zebrafish: 100% |
| Characteristics: | This is a rabbit polyclonal antibody against ACVR2B. It was validated on Western Blot. |
| Purification: | Affinity Purified |

Target Details

| Target: | ACVR2B |
|-------------------|--------------------------|
| Alternative Name: | ACVR2B (ACVR2B Products) |

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/4 | Product datasheet for ABIN2782111 | 09/11/2023 | Copyright antibodies-online. All rights reserved.

Target Details

| Background: | Activin 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. Type II receptors are considered to be constitutively active |
| | kinases. ACVR2B is activin A type IIB receptor, which displays a 3- to 4-fold higher affinity for |
| | the ligand than activin A type II receptor. |
| | Alias Symbols: ACTRIIB, ActR-IIB, MGC116908, HTX4 |
| | Protein Interaction Partner: GDF2, BMP10, INHBA, PEG10, ERBB2IP, HSP90AA1, SMAD7, |
| | SMAD6, SMAD2, IGSF1, SYNJ2BP, SNX6, SNX2, TGFBRAP1, GDF11, MSTN, ACVR1B, SNX1, |
| | INHBC, GDF5, INHBB, BMP7, BMP2, ENG, BMP6, |
| | Protein Size: 512 |
| Molecular Weight: | 58 kDa |
| Gene ID: | 93 |
| NCBI Accession: | NM_001106, NP_001097 |
| UniProt: | Q13705 |
| Pathways: | Hormone Transport, Cancer Immune Checkpoints |
| | |

Application Details

| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |
|--------------------|--|
| Comment: | Antigen size: 512 AA |
| Restrictions: | For Research Use only |

Handling

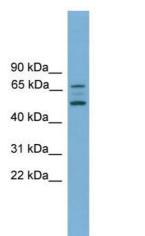
| Format: | Liquid |
|--------------------|---|
| Concentration: | Lot specific |
| Buffer: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which |

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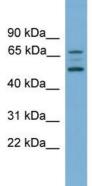
| | should be handled by trained staff only. |
|------------------|---|
| Handling Advice: | Avoid repeated freeze-thaw cycles. |
| Storage: | -20 °C |
| Storage Comment: | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |

Images



Western Blotting

Image 1. WB Suggested Anti-ACVR2B Antibody Titration: 0.2-1 ug/ml Positive Control: OVCAR-3 cell lysate



Rabbit Anti-ACVR2B Antibody Catalog Number: ARP45042 Lot Number: QC15021 Lane: OVCAR-3 Cell Lysate

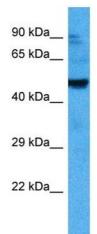
Antibody Titration: 1.0µg/ml Gel Concentration: 12%

Western Blotting

Image 2. WB Suggested Anti-ACVR2B Antibody Titration: 0.2-1 μg/mL Positive Control: OVCAR-3 cell lysate

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Images



Western Blotting

Image 3. Host: Mouse Target Name: ACVR2B Sample

Tissue: Mouse Testis Antibody Dilution: 1ug/ml

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