

Datasheet for ABIN1714869
anti-ACTR1 antibody (AA 65-160)[Go to Product page](#)

1 Image

Overview

| | |
|----------------------|---|
| Quantity: | 100 µL |
| Target: | ACTR1 |
| Binding Specificity: | AA 65-160 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This ACTR1 antibody is un-conjugated |
| Application: | Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), ELISA, Western Blotting (WB), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC) |

Product Details

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| Immunogen: | KLH conjugated synthetic peptide derived from human SKR1/ACTR1 |
| Isotype: | IgG |
| Cross-Reactivity: | Human |
| Predicted Reactivity: | Mouse,Rat,Dog,Cow,Sheep,Pig,Horse |
| Purification: | Purified by Protein A. |

Target Details

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|---------|-------|
| Target: | ACTR1 |
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Target Details

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|-------------------|---|
| Alternative Name: | ACTR1 (ACTR1 Products) |
| Background: | <p>Synonyms: Activin Receptor Type IA, Activin A receptor type I, Activin A receptor type II like kinase 2, Activin receptor type I, Activin receptor type-1, Activin receptor-like kinase 2, ACTR1, ACTR 1, ACTR-1, ACTR-I, ACTRI, ACVR 1, ACVR1, ACVR1_HUMAN, ACVR1A, ACVRLK 2, ACVRLK2, ALK 2, ALK-2, ALK2, FOP, Hydroxyalkyl protein kinase, Serine/threonine protein kinase receptor R1, Serine/threonine-protein kinase receptor R1, SKR 1, SKR1, TGF-B superfamily receptor type I, TGFB superfamily receptor type I, TSR-I, TSRI, TSRI.</p> <p>Background: Members of the transforming growth factor b superfamily bind to a pair of transmembrane proteins, known as receptor types I and II, which contain serine/threonine kinases and associate to form a signaling complex (1). Activin has been shown to bind a heteromeric noncovalent complex, which consists of a type I receptor, ACTR-IA (also designated ACVRI and ALK-2) or ACTR-IB (also designated ALK-4 and SKR2), and a type II receptor, ACTR-IIA (also designated ACVR2A) or ACTR-IIB (also designated ACVR2B) (16). Both receptor types are highly expressed in brain (5). The activin receptor family members are thought to mediate distinct effects on gene expression, cell differentiation, and morphogenesis in a dose dependent fashion (5,6).</p> |
| Gene ID: | 90 |

Application Details

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| Application Notes: | WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500 |
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| Restrictions: | For Research Use only |
|---------------|-----------------------|

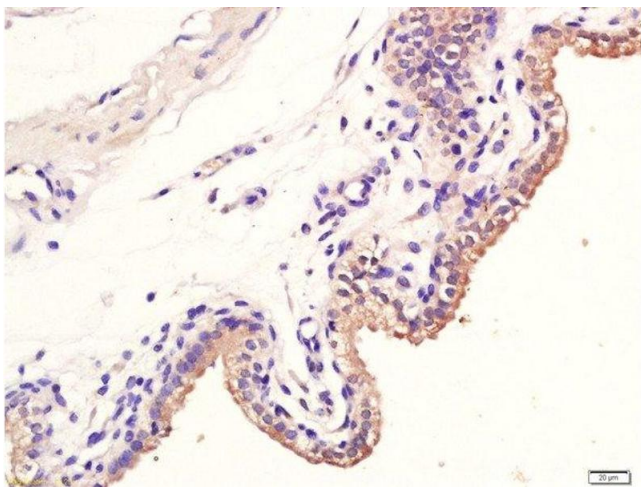
Handling

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| Format: | Liquid |
| Concentration: | 1 µg/µL |
| Buffer: | 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol. |

Handling

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|--------------------|--|
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. |
| Expiry Date: | 12 months |

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Paraformaldehyde-fixed, paraffin embedded mouse placenta, Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with Rabbit Anti-ACTR1 Polyclonal Antibody, Unconjugated at 1:200 overnight at 4°C, followed by a conjugated secondary antibody and DAB staining.