# Mouse Activin C βC subunit Antibody

Antigen Affinity-purified Polyclonal Goat IgG

Catalog Number: AF489

## DESCRIPTION

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| **Species Reactivity** | Mouse |
| **Specificity** | Detects mouse Activin C βC subunit in direct ELISAs and Western blots. In direct ELISA, approximately 5% cross-reactivity with recombinant human (rh) Activin A and rhInhibin A is observed and no cross-reactivity with rhInhibin B is observed. |
| **Source** | Polyclonal Goat IgG |
| **Purification** | Antigen Affinity-purified |
| **Immunogen** | *E. coli*-derived recombinant mouse Activin C peptide<br>aa 236-352 |
| **Formulation** | Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.<br>*Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS. |

## APPLICATIONS

**Please Note:** *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

| | Recommended Concentration | Sample |
|---|---|---|
| **Western Blot** | 0.1 µg/mL | Recombinant Mouse Activin C βC subunit |

## PREPARATION AND STORAGE

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| **Reconstitution** | Reconstitute at 0.2 mg/mL in sterile PBS. |
| **Shipping** | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.<br>*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C |
| **Stability & Storage** | **Use a manual defrost freezer and avoid repeated freeze-thaw cycles.**<br>● 12 months from date of receipt, -20 to -70 °C as supplied.<br>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.<br>● 6 months, -20 to -70 °C under sterile conditions after reconstitution. |

## BACKGROUND

Activins belong to the TGF-β superfamily. They are homo- or heterodimers of activin β subunits. At least four mammalian β subunits, A, B, C, and E, have been described. The $\beta_c$ subunit homodimerizes to form Activin CC. A naturally occuring Activin AC heterodimer has also been reported (1).

**References:**


1. Mellor, S. *et al*. (2003) Endocrinology **144**:4410.





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