# Anti-ACTR-IC antibody

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| **Description** | Rabbit polyclonal to ACTR-IC. |

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| **Model** | STJ91472 |
| **Host** | Rabbit |
| **Reactivity** | Human, Mouse, Rat |
| **Applications** | ELISA, IF, IHC |
| **Immunogen** | Synthesized peptide derived from human ACTR-IC |
| **Immunogen Region** | 180-260 aa, Internal |
| **Gene ID** | 130399 |
| **Gene Symbol** | ACVR1C |
| **Dilution range** | IHC 1:100-1:300IF 1:200-1:1000ELISA 1:20000 |
| **Specificity** | ACTR-IC Polyclonal Antibody detects endogenous levels of ACTR-IC protein. |
| **Tissue Specificity** | Present in pancreas, heart, colon, small intestine, ovary and the hippocampus, medulla oblongata and putamen of the brain. Isoform 1, isoform 2, isoform 3 and isoform 4 are all expressed in the placenta throughout pregnancy. |
| **Purification** | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Note** | For Research Use Only (RUO). |
| **Protein Name** | Activin receptor type-1C Activin receptor type IC ACTR-IC Activin receptor-like kinase 7 ALK-7 |

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| **Molecular Weight** | 54.871 kDa |
| **Clonality** | Polyclonal |
| **Conjugation** | Unconjugated |
| **Isotype** | IgG |
| **Formulation** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| **Concentration** | 1 mg/ml |
| **Storage Instruction** | Store at -20°C, and avoid repeat freeze-thaw cycles. |
| **Database Links** | HGNC:18123OMIM:608981 |
| **Alternative Names** | Activin receptor type-1C Activin receptor type IC ACTR-IC Activin receptor-like kinase 7 ALK-7 |
| **Function** | Serine/threonine protein kinase which forms a receptor complex on ligand binding. The receptor complex consisting of 2 type II and 2 type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators, SMAD2 and SMAD3. Receptor for activin AB, activin B and NODAL. Plays a role in cell differentiation, growth arrest and apoptosis. |
| **Cellular Localization** | Membrane |