

## ACTR-IIB Antibody

**Subcategory:** Rabbit Polyclonal Antibody

**Cat. No.:** 251300

**Unit:** 0.1 mg

**Description:**

Activin receptor type-2B (ACTR-IIB), upon ligand binding, forms a receptor complex consisting of two type II and two type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators. Defects in ACTR-IIB are the cause of visceral heterotaxy autosomal type 4 (HTX4), a form of visceral heterotaxy, a complex disorder due to disruption of the normal left-right asymmetry of the thoracoabdominal organs. HTX4 results in an abnormal arrangement of visceral organs and a wide variety of congenital defects.

**Isotype:** Rabbit Ig

**Applications:** E, WB, IHC

**Species Reactivity:** H, M, R, D, P, B

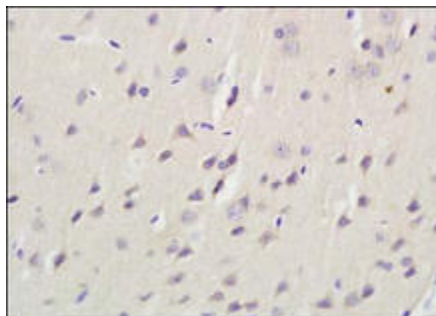
**Format:** Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

**Alternate Names:** Activin receptor type-2B; Activin receptor 2B; Activin receptor type IIB; ACTR-IIB; ACVR2B

**Accession No.:** Q13705

**Antigen:** KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human ACTR-IIB.

**Application Notes:** E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500



**ACTR-IIB staining in rat brain. Paraffin-embedded rat brain is stained with ACTR-IIB Antibody (Cat. No. 251300) used at 1:400 dilution.**

**Storage:** Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.