

Recombinant

DGRmAb®

**Activin Receptor Type IIB (DGR31436) Rabbit mAb**

db12436

Package : 10µL 20µL 50µL 100µL

**Product Name** : Activin Receptor Type IIB (DGR31436) Rabbit mAb**Cat.No.:** db12436**Synonyms** : HTX4; ACTRIIB; ActR-IIB**Application** : WB, IP**Reactivity** : Human,Mouse,Rat**Host species** : Rabbit**Background**

Activins are dimeric growth and differentiation factors which belong to the transforming growth factor-beta (TGF-beta) superfamily of structurally related signaling proteins. Activins signal through a heteromeric complex of receptor serine kinases which include at least two type I (I and IB) and two type II (II and IIB) receptors. These 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. This gene encodes activin A type IIB receptor, which displays a 3- to 4-fold higher affinity for the ligand than activin A type II receptor. [provided by RefSeq, Jul 2008]

**Immunogen**

A synthetic peptide of human Activin Receptor Type IIB/ACVR2B

**Gene ID**

93

**Swiss Prot**

Q13705

**Synonyms**

HTX4; ACTRIIB; ActR-IIB

**Reactivity**

Human,Mouse,Rat

**Application**

WB, IP

**Recommended dilution**

WB: 1:1000-1:5000

IP: 1:20

**Calculated MW**

58 kDa

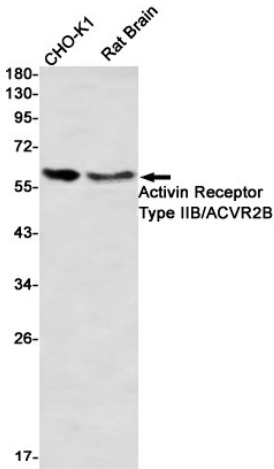
**Observed MW**

58 kDa

**Host species**

Rabbit

Clonality	Monoclonal
Clonality No.	DGR31436
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot detection of Activin Receptor Type IIB/ACVR2B in CHO-K1,mouse Brain using Activin Receptor Type IIB/ACVR2B antibody(1:1000 diluted)