Recombinant DGRmAb®

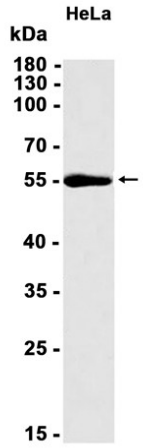
Activin Receptor Type IA (DGR15002) Rabbit mAb

db14310 **Package : 10μL 20μL 50μL 100μL**

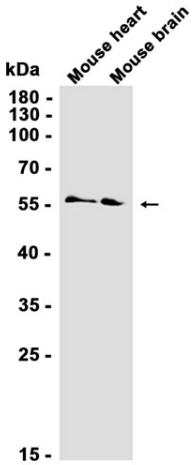
Product Name : Activin Receptor Type IA (DGR15002) Rabbit mAb
Cat.No.: db14310
Synonyms : FOP; ALK2; SKR1; TSRI; ACTRI; ACVR1A; ACVRLK2
Application : WB, IP
Reactivity : Human,Mouse,Rat
Host species : Rabbit

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. This gene encodes activin A type I receptor which signals a particular transcriptional response in concert with activin type II receptors. Mutations in this gene are associated with fibrodysplasia ossificans progressive. [provided by RefSeq, Jul 2008]
Immunogen	A synthetic peptide of human Activin Receptor Type IA
Gene ID	90
Swiss Prot	Q04771
Synonyms	FOP; ALK2; SKR1; TSRI; ACTRI; ACVR1A; ACVRLK2
Reactivity	Human,Mouse,Rat
Application	WB, IP
Recommended dilution	WB: 1:1000-1:5000 IP: 1:10-1:100
Calculated MW	57 kDa
Observed MW	57 kDa
Host species	Rabbit

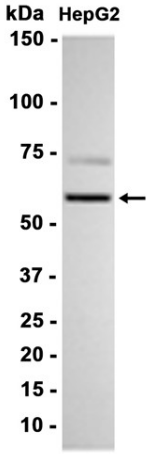
Clonality	Monoclonal
Clonality No.	DGR15002
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot analysis of extracts from HeLa cells using db14310 at 1:1000.



Western blot analysis of extracts from Mouse heart, Mouse brain tissues using db14310 at 1:1000.



Western blot analysis of extracts from HepG2 cells using db14310 at 1:3000.