

AVR2B Rabbit pAb

CatalogNo: YN0395

| Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, ELISA

MW

- 56kD (Observed)

Isotype

- IgG

| Recommended Dilution Ratios

WB 1:500-2000

ELISA 1:5000-20000

| Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

| Basic Information

Clonality Polyclonal

| Immunogen Information

Immunogen Synthesized peptide derived from human protein . at AA range: 40-120

Specificity AVR2B Polyclonal Antibody detects endogenous levels of protein.

| Target Information

Gene name ACVR2B

Protein Name	Activin receptor type-2B (Activin receptor type IIB) (ACTR-IIB)		
	Organism	Gene ID	UniProt ID
	Human	93 ;	Q13705 ;
	Mouse		P27040 ;
	Rat		P38445 ;
Cellular Localization	Cell membrane ; Single-pass type I membrane protein .		
Tissue specificity	Brain,PCR rescued clones,		
Function	Catalytic activity:ATP + [receptor-protein] = ADP + [receptor-protein] phosphate.,cofactor:Magnesium or manganese.,Disease:Defects in ACVR2B are a cause of left-right axis malformations [MIM:602730]. Th effect is due to the loss of normal left-right asymmetry. Complete left-right asymmetry reversal imparts no deleterious consequences to the affected individual, whereas randomization typically results in complex, often lethal heart malformations as well as abdominal abnormalities.,Function:On 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. Receptor for activin A, activin B and inhibin A.,similarity:Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. TGFB receptor subfamily.,similarity:Contains 1 protein kinase domain.,		

| Validation Data

| Contact information

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