

Datasheet for ABIN265018

anti-ACVR1 antibody (Extracellular Domain)



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1 Image

Overview

Quantity:	0.25 mg
Target:	ACVR1 (ACRV1)
Binding Specificity:	Extracellular Domain
Reactivity:	Chicken
Host:	Sheep
Clonality:	Polyclonal
Conjugate:	This ACVR1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunoprecipitation (IP)

Product Details

Immunogen:	Recombinant protein derived from the extracellular domain of the chicken ALK2 protein. Protein shares significant homology with the mouse, rat and human sequences.
Isotype:	IgG
Specificity:	This antibody reacts to ALK2.
Purification:	Purified

Target Details

Target:	ACVR1 (ACRV1)
Abstract:	ACRV1 Products

Target Details

Background: Activin Receptor-Like Kinase 2 is a member of the superfamily of type I receptors for transforming growth factor-beta (TGF-beta). This receptor binds both activin and bone morphogenic proteins (BMPs). In mice, these receptors are expressed mainly in the extraembryonic visceral endoderm before gastrulation and later in both embryonic and extraembryonic cells during gastrulation. Also, it has been shown that ALK2 associates with and phosphorylates Smad1 and also regulated Smad5 and Smad8 phosphorylation. It also induces the Tlx2 promoter in the absense of BMP7. Synonyms: ACRV1A, ACVRLK2, ALK2, Activin receptor type IA, Activin receptor-like kinase 2, SKR1, Serine/threonine-protein kinase receptor R1, TGF-B superfamily receptor type I

Gene ID: 395246

NCBI Accession: [NP_989891](#)

UniProt: [Q90ZK6](#)

Application Details

Application Notes: Western Blot: 5 - 10 µg/mL. Immunoprecipitation: 5 g/mg of protein lysate.
Immunohistochemistry on paraffin sections: 5 - 10 µg/mL.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Buffer: Phosphate buffered saline with 0.08 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: -20 °C

Storage Comment: The antibody can be shipped at ambient temperature. Store (in aliquots) at -20 °C only.



Image 1.