

**Anti-CD292 Antibody**  
Rabbit polyclonal antibody to CD292  
Catalog # AP60232

### Specification

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#### Anti-CD292 Antibody - Product Information

Application	WB
Primary Accession	<a href="#">P36894</a>
Other Accession	<a href="#">P36895</a>
Reactivity	Human, Mouse, Rat, SARS
Host	Rabbit
Clonality	Polyclonal
Calculated MW	60198

#### Anti-CD292 Antibody - Additional Information

Gene ID 657

#### Other Names

ACVRLK3; ALK3; Bone morphogenetic protein receptor type-1A; BMP type-1A receptor; BMPR-1A; Activin receptor-like kinase 3; ALK-3; Serine/threonine-protein kinase receptor R5; SKR5; CD292

#### Target/Specificity

Recognizes endogenous levels of CD292 protein.

#### Dilution

WB~~WB (1/500 - 1/1000)

#### Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

#### Storage

Store at -20 °C. Stable for 12 months from date of receipt

#### Anti-CD292 Antibody - Protein Information

Name BMPR1A

Synonyms ACVRLK3, ALK3

#### 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 BMP2, BMP4, GDF5 and GDF6. Positively regulates chondrocyte differentiation through GDF5 interaction. Mediates induction of adipogenesis by GDF6. May promote the expression of HAMP, potentially via its interaction with BMP2 (By similarity).

**Cellular Location**

Cell membrane; Single-pass type I membrane protein. Cell surface  
{ECO:0000250|UniProtKB:P36895}

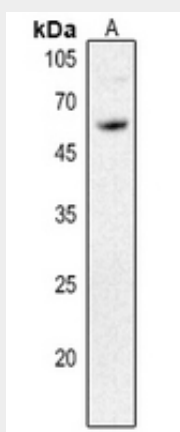
**Tissue Location**

Highly expressed in skeletal muscle.

**Anti-CD292 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-CD292 Antibody - Images**

Western blot analysis of CD292 expression in rat liver (A) whole cell lysates.

**Anti-CD292 Antibody - Background**

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human CD292. The exact sequence is proprietary.