

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

Specification

Anti-CD292 Antibody - Product Information

Application	WB
Primary Accession	P36894
Other Accession	P36895
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}

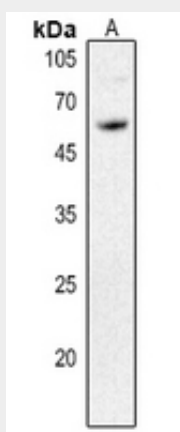
Tissue Location

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.