10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# Anti-GREM1 / Gremlin Reference Antibody (Ginisortamab)

**Recombinant Antibody**
**Catalog # APR10694**

## Specification

### Anti-GREM1 / Gremlin Reference Antibody (Ginisortamab) - Product Information

| | |
|---|---|
| Application | **FC, Kinetics, Animal Model** |
| Primary Accession | O60565 |
| Reactivity | **Human** |
| Clonality | **Monoclonal** |
| Isotype | **IgG4P** |
| Calculated MW | **145 KDa** |

### Anti-GREM1 / Gremlin Reference Antibody (Ginisortamab) - Additional Information

**Target/Specificity**
GREM1 / Gremlin

**Endotoxin**
< 0.001EU/ μg,determined by LAL method.

**Conjugation**
Unconjugated

**Expression system**
CHO Cell

**Format**
Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

### Anti-GREM1 / Gremlin Reference Antibody (Ginisortamab) - Protein Information

**Name** GREM1

**Synonyms** CKTSF1B1, DAND2, DRM

**Function**
Cytokine that may play an important role during carcinogenesis and metanephric kidney organogenesis, as a BMP antagonist required for early limb outgrowth and patterning in maintaining the FGF4-SHH feedback loop. Down-regulates the BMP4 signaling in a dose-dependent manner (By similarity). Antagonist of BMP2; inhibits BMP2-mediated differentiation of osteoblasts (in vitro) (PubMed:<a href="http://www.uniprot.org/citations/27036124" target="_blank">27036124</a>). Acts as inhibitor of monocyte chemotaxis. Can inhibit the growth or viability of normal cells but not transformed cells when is overexpressed (By similarity).

**Cellular Location**
Secreted.

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

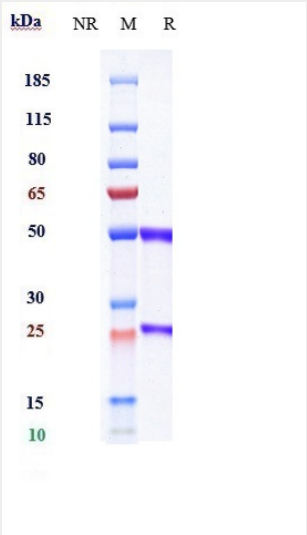
**Tissue Location**
Highly expressed in small intestine, fetal brain and colon. Expression is restricted to intestinal subepithelial myofibroblasts (ISEMFs) at the crypt base. In subjects with HMPS1, by contrast, GREM1 is expressed, not only in basal ISEMFs, but also at very high levels in epithelial cells (predominantly colonocytes), with expression extending most of the way up the sides of the crypt. Weakly expressed in brain, ovary, prostate, pancreas and skeletal muscle. In brain found in the region localized around the internal capsule in the large subcortical nuclei, including caudate, putamen, substantia nigra, thalamus and subthalamus. Predominantly expressed in normal cells including neurons, astrocytes and fibroblasts

## Anti-GREM1 / Gremlin Reference Antibody (Ginisortamab) - Protocols

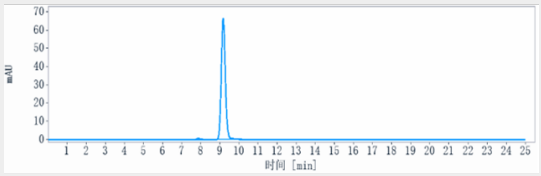
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## Anti-GREM1 / Gremlin Reference Antibody (Ginisortamab) - Images




Anti-GREM1 / Gremlin Reference Antibody (Ginisortamab) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%




The purity of Anti-GREM1 / Gremlin Reference Antibody (Ginisortamab)is more than 95% ,determined by SEC-HPLC.