

Anti-EG-VEGF Picoband Antibody
Catalog # ABO12567**Specification**

Anti-EG-VEGF Picoband Antibody - Product Information

Application	WB, E
Primary Accession	P58294
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Prokineticin-1(PROK1) detection. Tested with WB, ELISA in Human.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-EG-VEGF Picoband Antibody - Additional Information

Gene ID 84432

Other Names

Prokineticin-1, Endocrine-gland-derived vascular endothelial growth factor, EG-VEGF, Mambakine, PROK1

Calculated MW

11715 MW KDa

Application Details

ELISA , 0.1-0.5 µg/ml, Human, -
Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization

Secreted.

Tissue Specificity

Localizes to glandular epithelium, stroma and vascular epithelial cells of first trimester decidua (at protein level). Up-regulated in first trimester decidua when compared with non-pregnant endometrium. Expressed in the steroidogenic glands, ovary, testis, adrenal and placenta. .

Protein Name

Prokineticin-1

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg NaN₃.

Immunogen

E. coli-derived human Prokineticin 1 recombinant protein (Position: A20-F105). Human Prokineticin 1 shares 88.4% and 91.9% amino acid (aa) sequence identity with mouse and rat Prokineticin 1,

respectively.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins.

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Anti-EG-VEGF Picoband Antibody - Protein Information

Name PROK1

Function

Potently contracts gastrointestinal (GI) smooth muscle. Induces proliferation, migration and fenestration (the formation of membrane discontinuities) in capillary endothelial cells derived from endocrine glands. Has little or no effect on a variety of other endothelial and non-endothelial cell types. Induces proliferation and differentiation, but not migration, of enteric neural crest cells. Directly influences neuroblastoma progression by promoting the proliferation and migration of neuroblastoma cells. Positively regulates PTGS2 expression and prostaglandin synthesis. May play a role in placentation. May play a role in normal and pathological testis angiogenesis.

Cellular Location

Secreted.

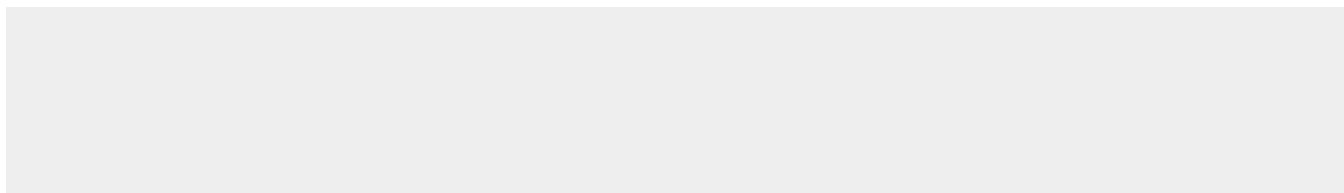
Tissue Location

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Anti-EG-VEGF Picoband 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-EG-VEGF Picoband Antibody - Images



130KD —
100KD —
70KD —
55KD —
35KD —
25KD —
15KD —

Western blot analysis of Prokineticin 1 expression in MCF-7 whole cell lysates (lane 1). Prokineticin 1 at 20KD was detected using rabbit anti- Prokineticin 1 Antigen Affinity purified polyclonal antibody (Catalog # ABO12567) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method .

Anti-EG-VEGF Picoband Antibody - Background

Prokineticin-1 is also known as EG-VEGF. The International Radiation Hybrid Mapping Consortium mapped the PROK1 gene to chromosome 1. The protein encoded by this gene induces proliferation, migration, and fenestration (the formation of membrane discontinuities) in capillary endothelial cells derived from endocrine glands. It has little or no effect on a variety of other endothelial and non-endothelial cell types. Its expression is restricted to the steroidogenic glands (ovary, testis, adrenal, and placenta), is induced by hypoxia, and often complementary to the expression of vascular endothelial growth factor (VEGF), suggesting that these molecules function in a coordinated manner.