

Product datasheet

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ARG42782 anti-PROK1 / EG-VEGF antibody

Package: 100 μl Store at: -20°C

Summary

Product Description Rabbit Polyclonal antibody recognizes PROK1 / EG-VEGF

Tested Reactivity Hu, Ms

Tested Application FACS, WB

Host Rabbit

Clonality Polyclonal

Isotype IgG

Target Name PROK1 / EG-VEGF

Species Human

Immunogen Synthetic peptide derived from Human PROK1 / EG-VEGF.

Conjugation Un-conjugated

Alternate Names PK1; Endocrine-gland-derived vascular endothelial growth factor; Prokineticin-1; PRK1; EG-VEGF;

Mambakine; EGVEGF

Application Instructions

Application table	Application	Dilution
	FACS	1:50
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Raw264.7	
Observed Size	~ 14 kDa	

Properties

Form Liquid

Purification Affinity purified.

Buffer PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.

Preservative 0.02% Sodium azide

Stabilizer 50% Glycerol

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol PROK1

Gene Full Name prokineticin 1

Background 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

 $complementary\ to\ the\ expression\ of\ vascular\ end othelial\ growth\ factor\ (VEGF),\ suggesting\ that\ these$

molecules function in a coordinated manner. [provided by RefSeq, Sep 2011]

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. [UniProt]

Calculated Mw 12 kDa

Cellular Localization Secreted. [UniProt]

Images



ARG42782 anti-PROK1 / EG-VEGF antibody WB image

Western blot: Raw264.7 cell lysate stained with ARG42782 anti-PROK1 / EG-VEGF antibody.