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anti-Prokineticin 1 antibody (AA 20-105)



age



Publication



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Quantity:	100 μg
Target:	Prokineticin 1 (Prok1)
Binding Specificity:	AA 20-105
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Prokineticin 1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA
Product Details	
Purpose:	Rabbit IgG polyclonal antibody for Prokineticin-1(PROK1) detection. Tested with WB, ELISA in Human.
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.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Prokineticin-1(PROK1) detection. Tested with WB, ELISA in Human.

Product Details		
Purification:	Immunogen affinity purified.	
Target Details		
Target:	Prokineticin 1 (Prok1)	
Alternative Name:	PROK1 (Prok1 Products)	
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.	
	Synonyms: Black mamba toxin related protein antibody EG VEGF antibody EG-VEGF antibody EGVEGF antibody Endocrine-gland-derived vascular endothelial growth factor antibody Mambakine antibody PK1 antibody PRK1 antibody PROK1 antibody PROK1_HUMAN antibody Prokineticin-1 antibody	
Gene ID:	84432	
UniProt:	P58294	
Application Details		
Application Notes:	WB: Concentration: 0.1-0.5 μg/mL, Tested Species: Human ELISA: Concentration: 0.1-0.5 μg/mL, Tested Species: Human	
	Notes: Tested Species: Species with positive results.	
O	Other applications have not been tested. Optimal dilutions should be determined by end users.	
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.	
Restrictions:	For Research Use only	
Handling		
Format:	Lyophilized	

Handling

Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 $\mu g/mL$.
Concentration:	500 μg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	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.

Publications

Product cited in:

Yu, Chen, Jiang: "Administration of pigment epithelium-derived factor delivered by adenoassociated virus inhibits blood-retinal barrier breakdown in diabetic rats." in: **Molecular vision**, Vol. 16, pp. 2384-94, (2011) (PubMed).

Images

130KD -

100KD-

70KD-

55KD-

35KD-

25KD-

15KD-

Western Blotting

Image 1. 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 at 0.5 μ g/mL. The blot was developed using chemiluminescence (ECL) method