SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-Prokineticin 1 antibody

Catalog Number: SL23740R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Prokineticin 1
Immunogen:	KLH conjugated synthetic peptide derived from human Prokineticin 1: 31-103/105
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human(predicted:Dog,Cow,Sheep)
Predicted MW.:	9.7kDa
Subcellular Location:	Secretory protein
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 endothelial 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

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	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. **Subcellular Location:** 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. **Similarity:** Belongs to the AVIT (prokineticin) family. **Database links:** **Entrez Gene:** 84432 Human **Entrez Gene:** 246691 Mouse **Entrez Gene:** 192205 Rat Omim: 606233 Human **SwissProt:** P58294 Human **SwissProt:** Q14A28 Mouse **SwissProt:** Q8R414 Rat **Unigene:** 514793 Human **Unigene:** 461353 Mouse **Unigene:** 82757 Rat EG-VEGF is a tissue-specific pro-angiogenic factor that was first discovered, and is associated with the occurrence and progression of Tumours in various specific tissues. EG-VEGF is mostly highly expressed in steroidogenic tissues such as ovary, testis, adrenal gland, and placenta.

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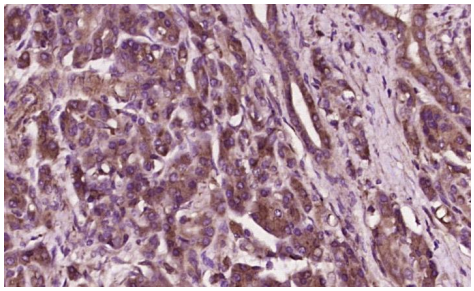
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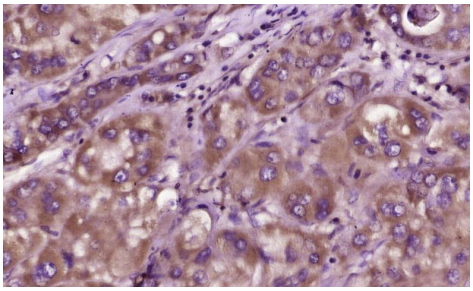
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[VALIDATION IMAGES]



Paraformaldehyde-fixed, paraffin embedded (human Pancreatic cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Prokineticin 1) Polyclonal Antibody, Unconjugated (SL23740R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human liver carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Prokineticin 1) Polyclonal Antibody, Unconjugated (SL23740R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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