



Rabbit Anti-REG4 antibody

SL10036R

Product Name:	REG4
Chinese Name:	再生基因蛋白4抗体
Alias:	Gastrointestinal secretory protein; GISP; REG IV; REG like protein; Regenerating gene type IV; Regenerating islet derived family member 4; Regenerating islet derived protein 4 precursor; REGIV; RELP; REG4_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,
Applications:	ELISA=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	18kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human REG4/RELP:71-158/158
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Reg IV is part of the regenerating gene family within the C-type lectin superfamily. This family is involved in liver, pancreatic, gastric and intestinal cell proliferation and differentiation. Reg IV is a 158-amino acid secretory protein implicated in cell regeneration and/or survival with a definite growth stimulating effect on pancreatic beta cells. It is highly expressed in colorectal, gastric, prostate and other types of cancer. Reg IV-positive tumor cells display different phenotypes including mucus-secreting,

enterocyte-like, and undifferentiated.

Function:

May be involved in inflammatory and metaplastic responses of the gastrointestinal epithelium.

Subcellular Location:

Secreted.

Tissue Specificity:

Highly expressed in the gastrointestinal tract including the duodenum, jejunum, ileum, ileocecum, appendix, descending colon, pancreas and small intestine. Weakly expressed in normal colon and stomach. Strongly expressed in most colorectal tumors than in normal colon. Preferentially expressed in mucinous tumors and in some cases neuro-endocrine tumors. Expressed in mucus-secreting cells and enterocyte-like cells. In small intestine expressed at the basal perinuclear zone of goblet cells.

Similarity:

Contains 1 C-type lectin domain.

SWISS:

Q9BYZ8

Gene ID:

83998

Database links:

[Entrez Gene: 83998](#) Human

[Omic: 609846](#) Human

[SwissProt: Q9BYZ8](#) Human

[Unigene: 660883](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.