

Rabbit anti-Human REG4 Monoclonal Antibody | anti-REG4 antibody

Recombinant Anti-REG4 Antibody, Rabbit Monoclonal

CATALOG # AAA255340	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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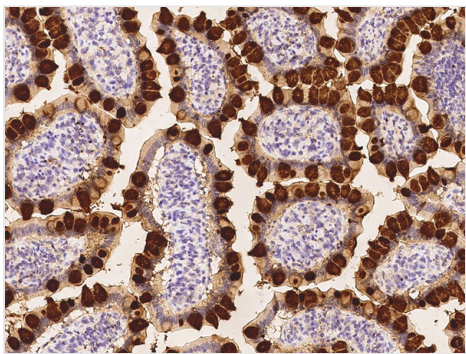
PRODUCT SYNONYMS

REG4; Monoclonal Antibody; Recombinant Anti-REG4 Antibody; Rabbit Monoclonal; REG4 Antibody; Rabbit MAb; regenerating islet-derived family; member 4; Anti-GISP Antibody; Anti-REG-IV Antibody; Anti-RELP Antibody; anti-REG4 antibody

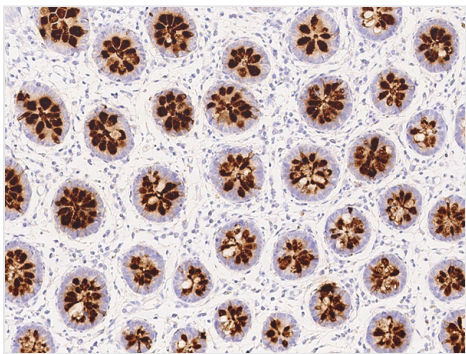
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	244
Specificity	Human REG4
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-REG4 antibody	IHC (Immunohistochemistry)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Human REG4 Protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human REG4 (rh REG4).
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Immunochemical staining of human REG4 in human small intestine with rabbit monoclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)
Immunochemical staining of human REG4 in human colon with rabbit monoclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-REG4 antibody	Regenerating islet-derived protein 4, also known as REG-like protein, REG4, GISP and RELP, a member of the regenerating gene family belonging to the calcium (C-type) dependent lectin superfamily, has been found to be involved in malignancy in several different organs including the stomach, colorectum, pancreas and prostate. It is highly expressed in the gastrointestinal tract and markedly up-regulated in colon adenocarcinoma, pancreatic cancer, gastric adenocarcinoma, and inflammatory bowel disease. Expression of the Reg4 in different cell types has been associated with regeneration, cell growth and cell survival, cell adhesion and resistance to apoptosis. REG4 protein overexpression is associated with an unfavorable response to preoperative chemoradiotherapy and may be used as a predictive biomarker clinically. REG4 may play an important role in the development and progression of colorectal cancer, as well as in intestinal morphogenesis and epithelium restitution.
References	Li FY, et al. (2010) RegIV expression showing specificity to gastrointestinal tract and its potential role in diagnosing digestive tract neuroendocrine tumor. J Zhejiang Univ Sci B. 11(4):258-66.Rafa L, et al. (2010) REG4 acts as a mitogenic, motility and pro-invasive factor for colon cancer cells. Int J Oncol. 36(3): 689-98.Hu G, et al. (2010) Purification of a bioactive recombinant human Reg IV expressed in Escherichia coli. Protein Expr Purif. 69(2): 186-90.

NCBI AND UNIPROT INFORMATION

NCBI GI #	226823233
NCBI GeneID	83998
NCBI Accession #	NP_001152824.1
NCBI GenBank Nucleotide #	NM_001159352.1
UniProt Accession #	Q9BYZ8; Q8NER6; Q8NER7
Molecular Weight	18,230 Da
NCBI Official Full Name	regenerating islet-derived protein 4 isoform 1
NCBI Official Synonym Full Names	regenerating islet-derived family, member 4
NCBI Official Symbol	REG4
NCBI Official Synonym Symbols	GISP; RELP; REG-IV
NCBI Protein Information	regenerating islet-derived protein 4; REG-4; reg IV; REG-like protein; regenerating gene type IV; gastrointestinal secretory protein; regenerating islet-derived protein IV
UniProt Protein Name	Regenerating islet-derived protein 4
UniProt Gene Name	REG4
UniProt Synonym Gene Names	GISP; RELP; REG-4; Reg IV

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/reg4-antibody-clone-244-immunohistochemistry-elisa/255340>