Datasheet for ABIN6146859

anti-REG4 antibody (AA 23-158)

2 Images

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Overview

Quantity:	100 µL
Target:	REG4
Binding Specificity:	AA 23-158
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This REG4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 23-158 of human REG4 (NP_114433.1).
Sequence:	DIIMRPSCAP GWFYHKSNCY GYFRKLRNWS DAELECQSYG NGAHLASILS LKEASTIAEY ISGYQRSQPI WIGLHDPQKR QQWQWIDGAM YLYRSWSGKS MGGNKHCAEM SSNNNFLTWS SNECNKRQHF LCKYRP
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	REG4

Target Details

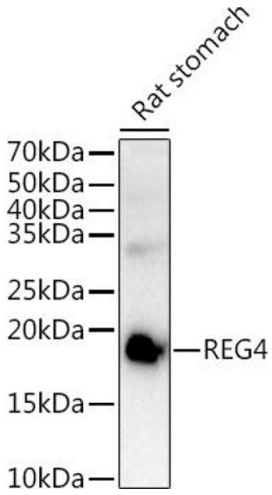
Alternative Name:	REG4 (REG4 Products)
Background:	Regenerating islet-derived protein 4, also known as REG-like protein, REG4, GISP and RELP, a member of the regenerating gene family belonging to the calcium (C-type) dependent lectin superfamily, has been found to be involved in malignancy in several 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.,REG4,GISP,REG-IV,RELP,REG4
Molecular Weight:	14 kDa/18 kDa
Gene ID:	83998
UniProt:	Q9BYZ8

Application Details

Application Notes:	WB,1:500 - 1:2000
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

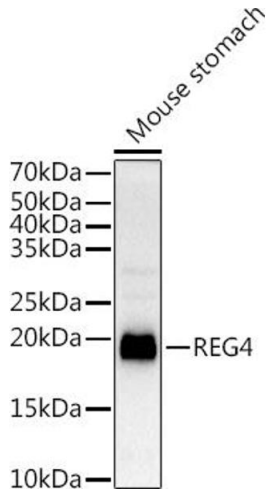
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of Rat stomach, using REG4 antibody (ABIN6132619, ABIN6146859, ABIN6146860 and ABIN6217007) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 180s.



Western Blotting

Image 2. Western blot analysis of extracts of Mouse stomach, using REG4 antibody (ABIN6132619, ABIN6146859, ABIN6146860 and ABIN6217007) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 10s.