

Datasheet for ABIN7603052
anti-Gastrin antibody (Middle Region)



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Overview

Quantity:	100 µg
Target:	Gastrin (GAST)
Binding Specificity:	Middle Region
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Gastrin antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Gastrin/GAST Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence in the middle region of human Gastrin/GAST, which shares 68.4% amino acid (aa) sequence identity with mouse and rat GAST.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Gastrin/GAST Antibody Picoband® (ABIN7603052). Tested in Flow Cytometry, WB applications. This antibody reacts with Human, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	Gastrin (GAST)
Alternative Name:	GAST (GAST Products)
Background:	Synonyms: Protocadherin-15, PCDH15, USH1F Tissue Specificity: Expressed in brain, lung, kidney, spleen and testis. Found also in the inner and outer synaptic layers, and the nerve fiber layer in adult and fetal retinas. Found in the supporting cells, outer sulcus cells and spiral ganglion of fetal cochlea. Expressed in cytotoxic tumor-derived T- and NK-cell lines as well as biopsies of nasal NK/T-cell lymphomas. Not detected in normal or in vitro activated peripheral blood cells, CD4 or CD8 lymphocytes or NK cells. Isoform 3 is expressed in brain, heart, cerebellum and kidney. CD1 isoforms, such as isoform 1, have a limited pattern of expression and is detected in testis, retina and cochlea. CD2 isoforms, such as isoforms 4 and 5, are expressed in heart, kidney, thymus, spleen, testis, retina and cochlea. CD3 isoforms, such as isoform 6, are widely expressed. Background: Gastrin is a hormone whose main function is to stimulate secretion of hydrochloric acid by the gastric mucosa, which results in gastrin formation inhibition. This hormone also acts as a mitogenic factor for gastrointestinal epithelial cells. Gastrin has two biologically active peptide forms, G34 and G17.
Molecular Weight:	20 kDa
Gene ID:	2520
UniProt:	P01350

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Rat Flow Cytometry (Fixed), 1-3 µg/1×10⁶ cells, Human 1. Almeida-Vega, S., Catlow, K., Kenny, S., Dimaline, R., Varro, A. Gastrin activates paracrine networks leading to induction of PAI-2 via MAZ and ASC-1. Am. J. Physiol. Gastrointest. Liver Physiol. 296: G414-G423, 2009. 2. Anderson, L. A., Friedman, L., Osborne-Lawrence, S., Lynch, E., Weissenbach, J., Bowcock, A., King, M.-C. High-density genetic map of the BRCA1 region of chromosome 17q12-q21. Genomics 17: 618-623, 1993. 3. Bentley, P. H., Kenner, G. W., Sheppard, R. C. Structure of human gastrins I and II. Nature 209: 583-585, 1966.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
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Handling

Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.