

Code No. 28103

**Anti-Human  
Gastrin Receptor (OK-524) Rabbit IgG Affinity Purify**Volume : 100 µg

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**Introduction** : Gastrin is one of the most important gut-related hormones contributing to gastric acid secretion. Gastrin and the gastrin receptor (GR) are coexpressed in many gastrointestinal cancer cell lines, and gastrin is regarded as an autocrine growth factor for these cells. Thus, gastrin is important in the investigation of gastrointestinal carcinogenesis and anticancer therapy.

The GR (identical with the cholecystokinin B receptor; CCKBR ) gene was cloned by Lee et al. and has an open reading frame encoding 447 amino acids with 7 transmembrane domains. To date, many studies have revealed the localization of GR in the human stomach.

It has been of public interest to investigate the expression and potential role of gastrin and GR in gastric carcinogenesis and their relation to *Helicobacter pylori* infection and inflammation.

**Antigen** : Synthetic peptide of the C terminal part of Human Gastrin Receptor (CTPSIASLSRSLSYTTIS)

**Purification** : Purified with antigen peptide

**Form** : Lyophilized product from 1 % BSA in PBS containing 0.05 % NaN<sub>3</sub>

**How to use** : 1.0 mL deionized water will be added to the product (the conc. comes up 100 µg /mL)

**Stability** : Lyophilized product, 5 years at 2 – 8 °C  
: Solution, 2 years at –20 °C

**Application** : This antibody can be used for immunohistochemistry with formalin fixed paraffin embedded tissues.  
: This antibody can be used for western blotting.  
(For details, please refer to the reference below)

**Reference** : 1. Ito M, Tanaka S, Maeda M, Takamura A, Tatsugami M, Wada Y, Matsumoto Y, Yoshihara M, Haruma K, Chayama K. Role of the gastrin-gastrin receptor system in the expansive growth of human gastric neoplasms. *Digestion*. 2008;78(2-3):163-70.