

### Product Information

**Size:**

50ul

**Reactivity:**

Human

**Source:**

Rabbit

**Isotype:**

IgG

**Applications:**

ELISA, IHC

**Recommended dilutions:**

ELISA:1:1000-1:5000, IHC:1:15-1:50

**Protein Background:**

Syk is a protein tyrosine kinase that plays an important role in intracellular signal transduction in hematopoietic cells. Syk interacts with immunoreceptor tyrosine-based activation motifs (ITAMs) located in the cytoplasmic domains of immune receptors. It couples the activated immunoreceptors to downstream signaling events that mediate diverse cellular responses, including proliferation, differentiation, and phagocytosis. There is also evidence of a role for Syk in nonimmune cells, and investigators have indicated that Syk is a potential tumor suppressor in human breast carcinomas. Tyr323 is a negative regulatory phosphorylation site within the SH2-kinase linker region in Syk. Phosphorylation of Tyr323 provides a direct binding site to the TKB domain of Cbl. Tyrosine 352 of Syk is involved in the association of PLC- gamma 1. Tyrosines 525 and 526 are located in the activation loop of the Syk kinase domain, and phosphorylation of Tyr525/526 of human Syk (equivalent to the Tyr519/520 of mouse Syk) is essential for Syk function.

**Gene ID:**

PGBD5

**Uniprot**

Q8N414

**Synonyms:**

piggyBac transposable element derived 5

**Immunogen:**

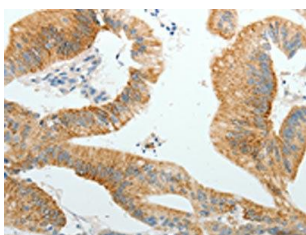
Synthetic peptide of human PGBD5.

**Storage:**

-20&deg; C, pH7.4 PBS, 0.05% NaN<sub>3</sub>, 40% Glycerol

## Product Images

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The image on the left is immunohistochemistry of paraffin-embedded Human colon cancer tissue using PACO18488(PGBD5 Antibody) at dilution 1/10, on the right is treated with synthetic peptide. (Original magnification: x—200).