Datasheet for ABIN746273

anti-SYK antibody (pTyr525, pTyr526)

Overview

Quantity: 100 μL
Target: SYK
Binding Specificity: pTyr525, pTyr526
Reactivity: Human, Mouse
Host: Rabbit
Clonality: Polyclonal
Conjugate: This SYK antibody is un-conjugated
Application: Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen: KLH conjugated synthetic phosphopeptide derived from human Syk around the phosphorylation site of Tyr525/526
Isotype: IgG
Predicted Reactivity: Rat, Dog, Cow, Pig, Chicken, Rabbit, Guinea Pig
Purification: Purified by Protein A.

Target Details

Target: SYK
Alternative Name: Syk + (SYK Products)
Target Details

Background:
This gene encodes a member of the family of non-receptor type Tyr protein kinases. This protein is widely expressed in hematopoietic cells and is involved in coupling activated immunoreceptors to downstream signaling events that mediate diverse cellular responses, including proliferation, differentiation, and phagocytosis. It is thought to be a modulator of epithelial cell growth and a potential tumour suppressor in human breast carcinomas. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2010]

Subcellular location: Cytoplasm, Cell membrane

Synonyms: p72-Syk, Tyrosine-protein kinase SYK, Spleen tyrosine kinase, SYK

Gene ID: 6850
UniProt: P43405

Pathways:
Fc-epsilon Receptor Signaling Pathway, Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, Thromboxane A2 Receptor Signaling

Application Details

Application Notes:
WB 1:300-5000
ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid
Concentration: 1 μg/μL
Buffer: 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative: ProClin
Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage: -20 °C
Handling

Storage Comment: Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

Images

ELISA

**Image 1.** Antigen: 0.2 µg/100 µL Primary: Antiserum, 1:500, 1:1000, 1:2000, 1:4000, 1:8000, 1:16000, 1:32000; Secondary: HRP conjugated Goat-Anti-Rabbit IgG at 1:5000; TMB staining; Read the data in MicroplateReader by 450

Immunohistochemistry

**Image 2.** Formalin-fixed and paraffin embedded human gastric carcinoma labeled with Rabbit Anti Phospho-Syk (Tyr525/526) Polyclonal Antibody, Unconjugated (ABIN746273) at 1:200 followed by conjugation to the secondary antibody and DAB staining

SDS-PAGE

**Image 3.** L1 mouse embryo lysates L2 mouse thymus lysates probed with Anti Phospho-Syk (Tyr525/526) Polyclonal Antibody, Unconjugated (ABIN746273) at 1:200 overnight at 4 °C. Followed by conjugation to secondary antibody at 1:3000 for 90 min at 37 °C. Predicted band 70kD. Observed band size: 70kD.