

SYK Conjugated Antibody

Catalog No: #C38370

Package Size: #C38370-AF350 100ul #C38370-AF405 100ul #C38370-AF488 100ul #C38370-AF555 100ul #C38370-AF594 100ul
 #C38370-AF647 100ul #C38370-AF680 100ul #C38370-AF750 100ul #C38370-Biotin 100ul #C38370-Conjugated 50ul

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Description

Product Name	SYK Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB, IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total SYK antibody.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human SYK.
Target Name	SYK
Other Names	DKFZp313N1010; FLJ25043; FLJ37489;
Accession No.	Swiss-Prot#: P43405NCBI Gene ID: 6850
SDS-PAGE MW	72kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at 4°C in dark for 6 months

Application Details

WB: 1:50-1:200

IF: 1:50-1:200

Background

Syk is a protein tyrosine kinase that plays an important role in intracellular signal transduction in hematopoietic cells (1-3). Syk interacts with immunoreceptor tyrosine-based activation motifs (ITAMs) located in the cytoplasmic domains of immune receptors (4). It couples the activated immunoreceptors to downstream signaling events that mediate diverse cellular responses, including proliferation, differentiation, and phagocytosis (4). 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 (5). 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 (6,7). Tyrosine 352 of Syk is involved in the association of PLC- γ 1 (8). 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 (9).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.