

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

Orders: order@signalwayantibody.com
 Support: tech@signalwayantibody.com

Description

Product Name	SYK Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
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
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
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 -20°C

Application Details

Western blotting: □1:500 - 1:2000

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-γ1 (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