

Syk Polyclonal Antibody

Catalog NumberPA5-32605

Product data sheet

Details		Species Reactivity	
Size	500 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (Paraffin) (IHC (P))	1:200
Type	Antibody	Immunoprecipitation (IP)	Assay-dependent
Immunogen	Synthetic peptide derived from internal region of human SYK protein.	Western Blot (WB)	Assay-dependent
Conjugate	Unconjugated	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Form	Liquid		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Heat-mediated antigen retrieval is recommended prior to staining, using a 10mM citrate buffer, pH 6.0, for 10 minutes followed by cooling at room temperature for 20 min. Following antigen retrieval, incubate samples with primary antibody for 10 min at room temperature. A suggested positive control is bone marrow or lymphoma.

Background/Target Information

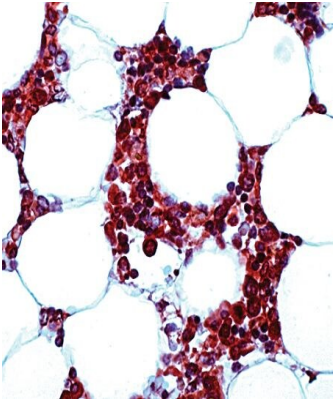
Spleen tyrosine kinase (SYK), along with ZAP70, are cytoplasmic tyrosine kinases that are viewed as potential druge targets for allergic disorders and autoimmune diseases. SYK may also play a role in cancer. Syk translocates to the plasma membrane upon B cell antigen receptor (BCR) or the high-affinity IgE receptor (FcepsilonRI) triggering, and phosphorylates downstream adaptor proteins, thereby providing docking sites for initiation of subsequent signaling pathways, such as calcium mobilization, cytoskeleton remodeling, or transcription of specific genes. Syk binds to the receptor assemblies through interactions of its pair of SH2 domains with ITAM motives of the receptor, which have been phosphorylated by Src-family kinases. These kinases also help to activate Syk by phosphorylation of its activation loop.

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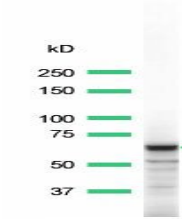
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Syk Antibody (PA5-32605) in IHC
Immunohistochemical analysis of SYK using anti-SYK Polyclonal Antibody (Product # PA5-32605) in Bone Marrow Cancer Tissue. The recommended dilution for this antibody in immunohistochemistry applications is 1:200.



Syk Antibody (PA5-32605) in WB
Western blot analysis of HepG2 Cell Lysate using anti-SYK Polyclonal Antibody (Product # PA5-32605). The recommended dilution for this antibody in western blot applications is 1:25.

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