

产品名称: WASP (phospho Tyr290) Rabbit Polyclonal Antibody
产品货号: APRab05628



产品概述 (Summary)

产品名称 (Production Name)	WASP (phospho Tyr290) Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Phosphorylated
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	WAS
别名 (Alternative Names)	WAS; IMD2; Wiskott-Aldrich syndrome protein; WASp
基因 ID (Gene ID)	7454.0
蛋白 ID (SwissProt ID)	P42768.The antiserum was produced against synthesized peptide derived from human WASP around the phosphorylation site of Tyr290. AA range:256-305

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:10000
蛋白分子量 (Molecular Weight)	60kDa

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研究背景 (Background)

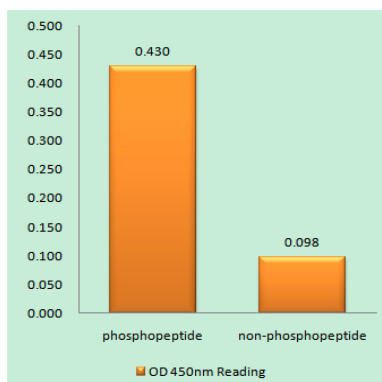
The Wiskott-Aldrich syndrome (WAS) family of proteins share similar domain structure, and are involved in transduction of signals from receptors on the cell surface to the actin cytoskeleton. The presence of a number of different motifs suggests that they are regulated by a number of different stimuli, and interact with multiple proteins. Recent studies have demonstrated that these proteins, directly or indirectly, associate with the small GTPase, Cdc42, known to regulate formation of actin filaments, and the cytoskeletal organizing complex, Arp2/3. Wiskott-Aldrich syndrome is a rare, inherited, X-linked, recessive disease characterized by immune dysregulation and microthrombocytopenia, and is caused by mutations in the WAS gene. The WAS gene product is a cytoplasmic protein, expressed exclusively in hematopoietic cells, which show signalling and cytoskeletal abnormalities in WAS patients. A disease: Defects in WAS are a cause of X-linked severe congenital neutropenia (XLN) [MIM:300299]. XLN is an X-linked immunodeficiency syndrome characterized by recurrent major bacterial infections, severe congenital neutropenia, and monocytopenia. A disease: Defects in WAS are the cause of thrombocytopenia type 1 (THC1) [MIM:313900]. Thrombocytopenia is defined by a decrease in the number of platelets in circulating blood, resulting in the potential for increased bleeding and decreased ability for clotting. A disease: Defects in WAS are the cause of Wiskott-Aldrich syndrome (WAS) [MIM:301000]; also known as eczema-thrombocytopenia-immunodeficiency syndrome. WAS is an X-linked recessive immunodeficiency characterized by eczema, thrombocytopenia, recurrent infections, and bloody diarrhea. Death usually occurs before age 10. A domain: The CRIB (Cdc42/Rac-interactive-binding) region binds to the C-terminal WH2 domain in the autoinhibited state of the protein. Binding of Rho-type GTPases to the CRIB induces a conformation change and leads to activation. A domain: The WH1 (Wasp homology 1) domain may bind a Pro-rich ligand. A function: Effector protein for Rho-type GTPases, providing a link with the Arp2/3 complex that regulates the structure and dynamics of the actin cytoskeleton. Important for efficient actin polymerization. Possible regulator of lymphocyte and platelet function. A online information: WAS mutation db, online information: Wiskott-Aldrich syndrome protein entry, similarity: Contains 1 CRIB domain, similarity: Contains 1 WH1 domain, similarity: Contains 1 WH2 domain, subunit: Binds to CDC42, RAC, NCK, FYN, SRC kinase FGR, BTK, ABL, PSTPIP1, WIP, and to the p85 subunit of PLC-gamma. Binds the Arp2/3 complex. A tissue specificity: Expressed predominantly in the thymus. Also found, to a much lesser extent, in the spleen.

研究领域 (Research Area)

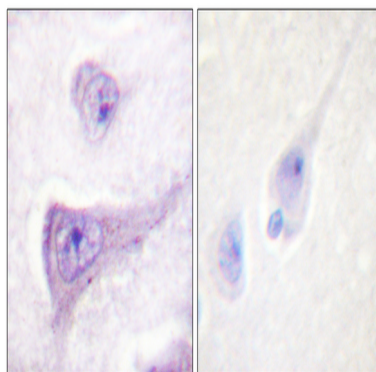
Chemokine; Adherens Junction; Fc gamma R-mediated phagocytosis; Regulates Actin and Cytoskeleton; Pathogenic Escherichia coli infection;

图片 (Image Data)

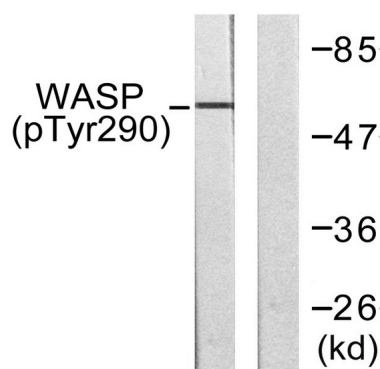
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Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using WASP (Phospho-Tyr290) Antibody



Immunohistochemistry analysis of paraffin-embedded human brain, using WASP (Phospho-Tyr290) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HepG2 cells, using WASP (Phospho-Tyr290) Antibody. The lane on the right is blocked with the phospho peptide.

注意事项 (Note)

For research use only .