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Product datasheet for AP54531PU-N

WASP (WAS) (Center) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, IHC, WB
Recommended Dilution:	ELISA: 1:1;000. Western blot: 1:100~500. Immunohistochemistry on paraffin sections: 1:50~100. Flow cytometry.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 122~152 amino acids from the Central region of human WAS
Specificity:	This antibody detectas WAS / IMD2 (Center).
Formulation:	PBS with 0.09% (W/V) sodium azide State: Aff - Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Protein A column followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store at 2 - 8 °C for up to six months or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	Wiskott-Aldrich syndrome
Database Link:	Entrez Gene 22376 MouseEntrez Gene 7454 Human P42768

View online »

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.

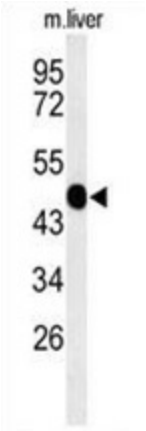
Synonyms: Wiskott-Aldrich syndrome protein, WASp

Note: **Molecular Weight:** 52913 Da

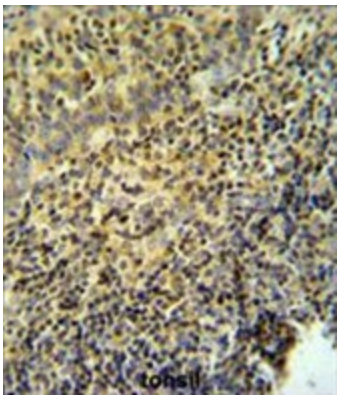
Protein Families: Druggable Genome

Protein Pathways: Adherens junction, Chemokine signaling pathway, Fc gamma R-mediated phagocytosis, Pathogenic Escherichia coli infection, Regulation of actin cytoskeleton

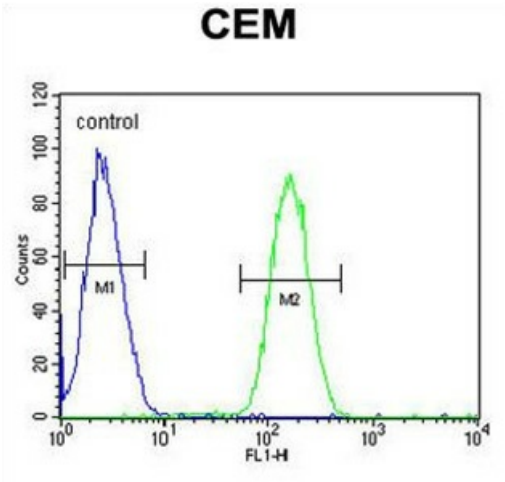
Product images:



Western blot analysis of WAS Antibody (Center) in mouse liver tissue lysates (35 ug/lane). WAS (arrow) was detected using the purified Pab.



WAS Antibody (Center) IHC analysis in formalin fixed and paraffin embedded tonsil tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the WAS Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WAS Antibody (Center) flow cytometric analysis of CEM cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.