

DESCRIPTION

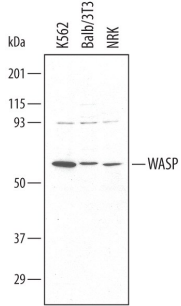
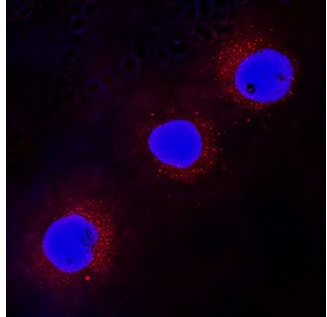
Species Reactivity	Human/Mouse
Specificity	Detects human and mouse WASP in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human WASP Lys230-Gln310 Accession # P42768
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	0.5 µg/mL	See Below
Immunocytochemistry	5-15 µg/mL	See Below

DATA

<p>Western Blot</p>  <p>Detection of Human, Mouse and Rat WASP by Western Blot. Western blot shows lysates of NRK rat normal kidney cell, K562 human chronic myelogenous leukemia cell line, and Balb/3T3 mouse embryonic fibroblast cell line. PVDF membrane was probed with 0.5 µg/mL of Goat Anti-Human/Mouse WASP Antigen Affinity-purified Polyclonal Antibody (Catalog # AF3070) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF019). A specific band was detected for WASP at approximately 60 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.</p>	<p>Immunocytochemistry</p>  <p>WASP in Jurkat Human Cell Line. WASP was detected in immersion fixed Jurkat human acute T cell leukemia cell line using Goat Anti-Human/Mouse WASP Antigen Affinity-purified Polyclonal Antibody (Catalog # AF3070) at 15 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Goat IgG Secondary Antibody (red; Catalog # NL001) and counterstained with DAPI (blue). Specific staining was localized to cytoplasm. View our protocol for Fluorescent ICC Staining of Non-adherent Cells.</p>
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PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

WASP is a 54 kDa protein belonging to the WASP/SCAR/WAVE family of proteins involved in actin polymerization. It is a highly conserved protein and is expressed selectively in hematopoietic stem cell-derived lineages. WASP contains multiple domains with unique functions. Mutations in WASP are associated with diseases of the hematopoietic/immunologic system.