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# Anti-N-WASP (Tyr-256), Phosphospecific Antibody

Catalog # AN2019

## Product Information

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|---|---|
| **Application** | WB, ICC |
| **Primary Accession** | O00401 |
| **Host** | Rabbit |
| **Clonality** | Rabbit Polyclonal |
| **Isotype** | IgG |
| **Calculated MW** | 54827 |

## Additional Information

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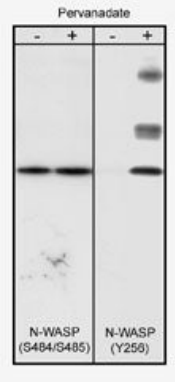
| **Gene ID** | 8976 |
| **Other Names** | Neural Wiskott-Aldrich syndrome protein, WASL, WASP |
| **Dilution** | WB~~1:1000 ICC~~N/A |
| **Storage** | Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Precautions** | Anti-N-WASP (Tyr-256), Phosphospecific Antibody is for research use only and not for use in diagnostic or therapeutic procedures. |
| **Shipping** | Blue Ice |

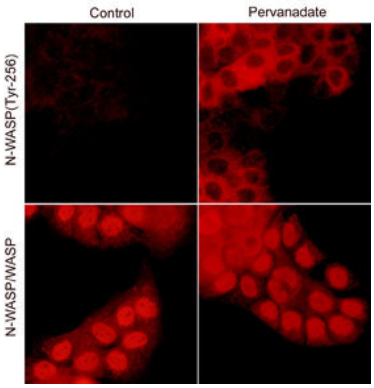
## Background

Members of the Wiskott-Aldrich sydrome protein (WASP) family regulate the formation of actin-based cell structures in many cell types. These proteins contain C-terminal actin-binding domains that can stimulate actin polymerization. WASP is expressed primarily in hematopoietic cells, while its homolog N-WASP is widely expressed. These proteins have 48% identity in human with higher homology in the functional regions of these proteins. Phosphorylation at serine and tyrosine residues regulates the activity of both proteins. WASP is tyrosine phosphorylated at tyrosine 291 after antigen receptor activation in B-cells and collagen stimulation of platelets. Phosphorylation of the analogous site in N-WASP (Tyr-256) stimulates its activity, reduces nuclear N-WASP, and is required for neurite extension.

## Images

Western blot analysis of control and pervanadate-treated A431 cells (20 µg/lane). Blots were probed with either rabbit polyclonal anti-N-WASP (Ser-484/Ser-485) or anti-N-WASP (Tyr-256).




Immunocytochemical labeling of N-WASP in control and pervanadate-treated A431 cells. The cells were labeled with rabbit polyclonal N-WASP/WASP (WP2101) or rabbit polyclonal N-WASP (Tyr-256) antibodies, then the antibodies were detected using appropriate secondary antibody conjugated to DyLight® 594.