

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human, mouse, and rat N-WASP in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human N-WASP Leu21-Asn270 Accession # O00401
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 either lyophilized or as a 0.2 µm filtered solution in PBS.

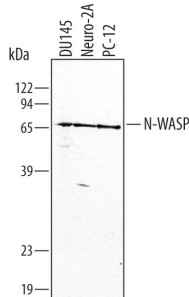
APPLICATIONS

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	1 µg/mL	See Below
Immunocytochemistry	5-15 µg/mL	Immersion fixed A431 human epithelial carcinoma cell line treated with recombinant human EGF (Catalog # 236-EG-01M)
Immunohistochemistry	5-15 µg/mL	See Below

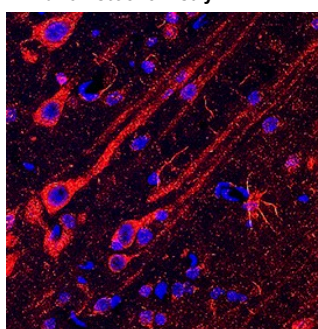
DATA

Western Blot



Detection of Human, Mouse, and Rat N-WASP by Western Blot. Western blot shows lysates of DU145 human prostate carcinoma cell line, Neuro-2A mouse neuroblastoma cell line, and PC-12 rat adrenal pheochromocytoma cell line. PVDF membrane was probed with 1 µg/mL of Goat Anti-Human/Mouse/Rat N-WASP Antigen Affinity-purified Polyclonal Antibody (Catalog # AF3854) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # [HAF019](#)). A specific band was detected for N-WASP at approximately 65 kDa (as indicated). This experiment was conducted under reducing conditions and using [Immunoblot Buffer Group 1](#).

Immunohistochemistry



N-WASP in Rat Brain Tissue. N-WASP was detected in perfusion fixed frozen sections of rat brain (cortex) tissue using Goat Anti-Human/Mouse/Rat N-WASP Antigen Affinity-purified Polyclonal Antibody (Catalog # AF3854) at 15 µg/mL overnight at 4 °C. Tissue was stained using the NorthernLights™ 557-conjugated Anti-Goat IgG Secondary Antibody (red; Catalog # [NL001](#)) and counterstained with DAPI (blue). Specific staining was localized to neuronal cell cytoplasm. View our protocol for [Fluorescent IHC Staining of Frozen Tissue Sections](#).

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

N-WASP is a ubiquitously expressed member of the WASP family of proteins. The 65 kDa, 505 amino acid, N-WASP seems to play a central role as a node interconnecting various actin networks. Over the region used as immunogen, human N-WASP is greater than 98% identical to the corresponding mouse and canine protein sequences.