Human/Mouse/Rat N-WASP Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF3854

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	*E. coli*-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 as a 0.2 μm filtered solution in PBS.

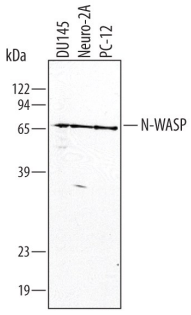
APPLICATIONS

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

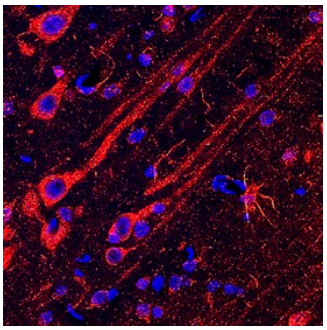
DATA

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.** ● 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.

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