

DESCRIPTION

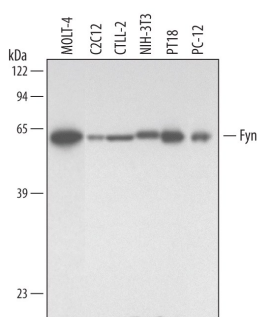
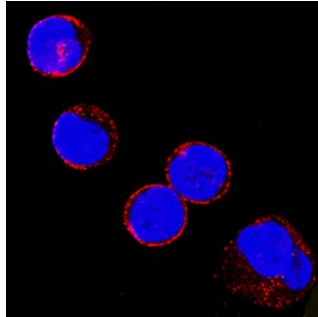
Species Reactivity	Human/Mouse/Rat
Specificity	Detects endogenous human, mouse and rat Fyn in Western blots.
Source	Monoclonal Mouse IgG ₁ Clone # 361228
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human Fyn Met1-Gly83 Accession # P06241
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	8-25 µg/mL	See Below

DATA

<p>Western Blot</p>  <p>Detection of Human/Mouse/Rat Fyn by Western Blot. Western blot shows lysates of MOLT-4 human acute lymphoblastic leukemia cell line, C2C12 mouse myoblast cell line, CTLL-2 mouse cytotoxic T cell line, NIH-3T3 mouse embryonic fibroblast cell line, PT18 mouse mast/basophil cell line, and PC-12 rat adrenal pheochromocytoma cell line. PVDF membrane was probed with 0.5 µg/mL of Mouse Anti-Human/Mouse/Rat Fyn Monoclonal Antibody (Catalog # MAB3574) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). A specific band was detected for Fyn at approximately 59 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 3.</p>	<p>Immunocytochemistry</p>  <p>Fyn in Human PBMCs. Fyn was detected in immersion fixed human peripheral blood mononuclear cells (PBMCs) using Mouse Anti-Human/Mouse/Rat Fyn Monoclonal Antibody (Catalog # MAB3574) at 8 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Mouse IgG Secondary Antibody (red; Catalog # NL007) and counterstained with DAPI (blue). Specific staining was localized to cytoplasm and nuclei. View our protocol for Fluorescent ICC Staining of Non-adherent Cells.</p>
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PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 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

Fyn is a ubiquitously expressed member of the Src family of intracellular tyrosine kinases. Fyn activity is implicated in T cell receptor signaling, adhesion-mediated signaling, and regulation of brain function. Mice lacking *fyn* display various deficits, including impaired spatial memory, hypomyelination, and uncoordinated hippocampal structure, suggesting that Fyn is involved in multiple neural signaling pathways.