

DESCRIPTION

Species Reactivity	Human/Rat
Specificity	Detects human and rat Yes.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Yes Met1-Gly88 Accession # P07947.3
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.

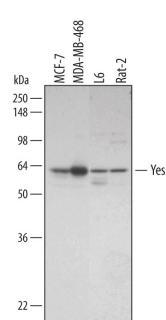
APPLICATIONS

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	0.5 µg/mL	See Below
Immunocytochemistry	5-15 µg/mL	See Below

DATA

Western Blot



Detection of Human/Rat Yes by Western Blot. Western blot shows lysates of L6 rat myoblast cell line, Rat-2 rat embryonic fibroblast cell line, MCF-7 human breast cancer cell line and, MDA-MB-468 human breast cancer cell line. PVDF membrane was probed with 0.5 µg/mL of Goat Anti-Human/Rat Yes Antigen Affinity-purified Polyclonal Antibody (Catalog # AF3205) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF109). A specific band was detected for Yes at approximately 62 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

Immunocytochemistry



Yes in A431 Human Cell Line. Yes was detected in immersion fixed A431 human epithelial carcinoma cell line using Goat Anti-Human/Rat Yes Antigen Affinity-purified Polyclonal Antibody (Catalog # AF3205) 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 plasma membranes and cytoplasm. View our protocol for [Fluorescent ICC Staining of Cells on Coverslips](#).

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

Yes is the cellular homolog of the oncogenic protein encoded by the Yamaguchi 73 and Esh avian sarcoma viruses. After Src, Yes is the most widely expressed member of the Src family of nonreceptor tyrosine kinases. Src family kinases regulate an array of cellular processes, including growth factor signaling, cytoskeleton dynamics, and cell proliferation.