Technical Data Sheet

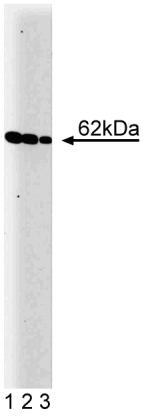
Purified Mouse Anti-Yes

Product Information

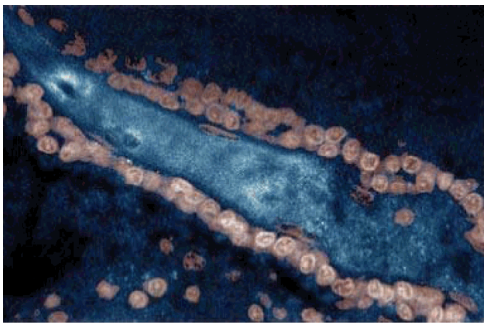
Material Number:	**610376**
Size:	150 µg
Concentration:	250 µg/ml
Clone:	1/Yes
Immunogen:	Human Yes aa. 10-193
Isotype:	Mouse IgG1
Reactivity:	QC Testing: Human Tested in Development: Mouse, Rat, Chicken, Dog
Target MW:	62 kDa
Storage Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09% sodium azide.

Description

Yes is a member of the Src family of tyrosine kinases. The cellular gene was initially identified as a homologue of v-yes, the oncogene of avian sarcoma virus Y73. At least nine different Src family members have been identified. yes, fyn, and Src are widely expressed in a variety of cell types, while the remaining members are primarily expressed in hematopoietic cells. Members of this family have several common features: they have unique N-terminal domains, they attach to cellular membranes through a myristylated N-terminus and they have homologus SH2, SH3, and catalytic domains. The common expression patterns of Yes, fyn, and Src suggest some overlapping functions. All three of these kinases can physically associate with a number of cell-surface molecules which appear to increase their catalytic activity.



Western blot analysis of Yes on a A431 cell lysate (Human epithelial carcinoma; ATCC CRL-1555). *Lane 1: 1:250, lane 2: 1:500, lane 3: 1:1000 dilution of the Mouse Anti-Yes antibody.*



Immunohistochemical staining on a rabbit brain tissue section with the Mouse Anti-Yes antibody.

Preparation and Storage

Store undiluted at -20°C.

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

Application Notes

Application

Western blot	Routinely Tested
Immunofluorescence	Tested During Development
Immunohistochemistry	Tested During Development

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Suggested Companion Products

Catalog Number	Name	Size	Clone
611447	A431 Cell Lysate	500 µg	(none)
554002	HRP Goat Anti-Mouse Ig	1.0 ml	(none)

Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Source of all serum proteins is from USDA inspected abattoirs located in the United States.
3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
4. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.

References

Chen YH, Lu Q, Goodenough DA, Jeansonne B. Nonreceptor tyrosine kinase c-Yes interacts with occludin during tight junction formation in canine kidney epithelial cells. *Mol Biol Cell.* 2002; 13(4):1227-1237. (Biology: Immunofluorescence, Immunoprecipitation, Western blot)

Encinas M, Tansey MG, Tsui-Pierchala BA, Comella JX, Milbrandt J, Johnson EM Jr. c-Src is required for glial cell line-derived neurotrophic factor (GDNF) family ligand-mediated neuronal survival via a phosphatidylinositol-3 kinase (PI-3K)-dependent pathway. *J Neurosci.* 2001; 21(5):1464-1472. (Biology: Western blot)

Lee SW, Bonnah RA, Higashi DL, Atkinson JP, Milgram SL, So M. CD46 is phosphorylated at tyrosine 354 upon infection of epithelial cells by Neisseria gonorrhoeae. *J Cell Biol.* 2002; 156(6):951-957. (Biology: Immunofluorescence, Immunoprecipitation, Western blot)

Park J, Cartwright CA. Src activity increases and Yes activity decreases during mitosis of human colon carcinoma cells. *Mol Cell Biol.* 1995; 15(5):2374-2382. (Biology)

Sukegawa J, Semba K, Yamanashi Y, et al. Characterization of cDNA clones for the human c-yes gene. *Mol Cell Biol.* 1987; 7(1):41-47. (Biology)