

Product datasheet for **AM00159PU-N**

YES1 (N-term) (incl. pos. control) Mouse Monoclonal Antibody [Clone ID: 2B8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	2B8
Applications:	ELISA, WB
Recommended Dilution:	Western Blot: 0.5 µg/ml for HRPO/ECL detection. Recommended blocking buffer: Casein/Tween 20 based blocking and blot incubation buffer. Use A431 untreated cell lysate as Positive Control. ELISA: 0.05 µg/ml.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Synthetic peptide conjugated to KLH
Specificity:	AM00159PU-N specifically recognizes Yes at 59 kDa.
Formulation:	1 ml 2 x PBS / 0.09% Sodium Azide / PEG and Sucrose. State: Purified State: Lyophilized purified IgG fraction.
Reconstitution Method:	Restore with 1 ml H ₂ O (15 min, RT).
Purification:	Subsequent Thiophilic Adsorption and Size Exclusion Chromatography.
Conjugation:	Unconjugated
Storage:	For long-term storage, freeze lyophilizate upon arrival (-20°C). Upon reconstitution, aliquote and freeze in liquid nitrogen; reconstituted antibody can be stored frozen at -80°C up to 1 year. Avoid repeated freezing and thawing. Thaw aliquots at 37°C. Thawed aliquots may be stored at 2-8°C up to 3 months.
Gene Name:	YES proto-oncogene 1, Src family tyrosine kinase
Database Link:	Entrez Gene 7525 Human P07947



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Background: Yes is a member of a family of 9 tyrosine kinases regulating cellular responses to extracellular stimuli. Yes, src and fyn are ubiquitously expressed while the other members are primarily expressed in hematopoietic cells. Each protein tyrosine kinase (PTK) contains three domain (SH1, SH2, SH3). The SH1 domain has PTK activity, while the SH2 and SH3 domains are involved in mediating protein-protein interactions by binding phosphotyrosine- containing and proline-rich motifs. By means of SH2-phosphotyrosine binding, PTKs are able to associate with activated receptor protein tyrosine kinases, e.g. platelet-derived growth factor (PDGFR)- and epidermal growth factor (EGF)- receptor.

Synonyms: YES, p61-Yes, c-Yes

Note: Includes Positive Control A431 untreated cell lysate (See "Protocols" below).

Protocol: **Lyophilized Cell Lysate from serum starved A431 cells**

Reconstitute by addition of 200 μ l H₂O. After complete solubilization add 200 μ l 2x SDS-PAGE sample buffer, mix and incubate at 90°C for 5 min.

Application:

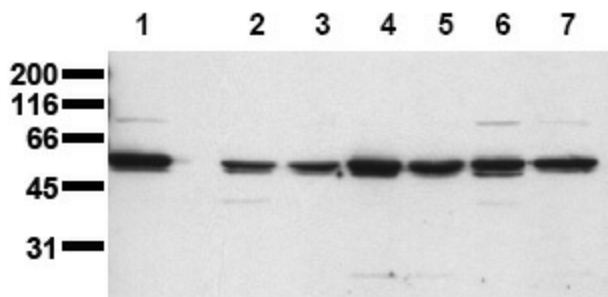
The positive control is recommended for immunoblot applications. 20 μ l of positive control cell lysate correspond to ca. 20.000 cells.

Use 20 μ l/lane (mini gel) for HRPO/ECL detection of the target proteins.

Please note: The lyophilized cell lysates contain SDS and are not recommended for applications with native proteins such as immunoprecipitation!

Aliquot and store frozen. Avoid repeated freeze/thaw cycles.

Product images:



Detection of endogenous yes Whole cell extracts of vanadate treated tumor cells (20.000 cells per lane) were applied to SDS-PAGE and transferred to a PVDF membrane. The immunoblot was probed with mab yes-2B8 (0.5 μ g/ ml) for 1h at RT and developed by ECL (exp. time: 30 sec). lane 1: A431; lane 2: SW480; lane 3: SW620; lane 4: HT29; lane 5: MCF-7; lane 6: MDA231; lane 7: T47D