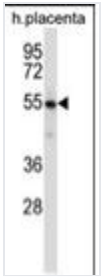
YES1 Antibody – Rabbit Polyclonal

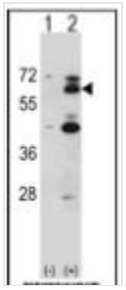
PRODUCT OVERVIEW

Product Name	Yes1, Polyclonal Antibody
Full Product Name	Yes1, NT (Yes1, Yes, Tyrosine-protein kinase Yes, Proto-oncogene c-Yes, p61-Yes) (MaxLight 750)
Product Gene Name	anti-Yes1 antibody
Product Synonym Names	Yes1; Yes; Tyrosine-protein kinase Yes; Proto-oncogene c-Yes; p61-Yes
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes Yes1. Species crossreactivity: human
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	60,630 Da
3D Structure	ModBase 3D Structure for Q04736
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 1-30 in the N-terminal region of mouse Yes1, UniProt Accession #NP_033561.1; Q04736. Species sequence homology: rat
Conjugate	MaxLight750
Note	Preservative Free
Product Categories/Family for anti-Yes1 antibody	Antibodies; Protein Kinases
Applications Tested/Suitable for anti-Yes1 antibody	Western Blot (WB), FLISA
Application Notes for anti-Yes1 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-Yes1 antibody	MaxLight750 is a new Near IR stable dye conjugate comparable to DyLight750, Alexa Fluor700 and offers better labeling efficiency, brighter imaging and increased immunodetection. Absorbance (759nm); Emission (780nm); Extinction Coefficient 240,000.
Product References and Citations for anti-Yes1 antibody	Zheng, Y., et al. Mol. Cell. Biol. 30(17):4280-4292(2010). Slanina, H., et al. Infect. Immun. 78(5):1905-1914(2010). Abrami, L., et al. Proc. Natl. Acad. Sci. U.S.A. 107(4):1420-1424(2010). Chen, S.C., et al. Am. J. Physiol., Cell Physiol. 297 (1), C133-C139 (2009): Kao, T.J., et al. J. Neurosci. 29(17):5690-5700(2009).
Other Notes	Small volumes of anti-Yes1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for Yes1 purchase	MBS6364246 is an antibody targeting Yes1. Also known as Yes1, NT (Yes1, Yes, Tyrosine-protein kinase Yes, Proto-oncogene c-Yes, p61-Yes) (MaxLight 750). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-Yes1 antibody
Western Blot analysis in human placenta tissue lysates (35ug/lane) usingMBS6005813. This demonstrates the Yes1 antibody detected the Yes1 protein (arrow).



Western Blot (WB) of anti-Yes1 antibody
Western Blot analysis of Yes1 (arrow) usingMBS6005813. 293 cell lysates (2ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the Yes1 gene.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Yes1. It may not necessarily be applicable to this product.

NCBI GI #	6678617
NCBI GeneID	22612
NCBI Accession #	NP_033561.1
UniProt Primary Accession #	Q04736
UniProt Related Accession #	Q04736
GenBank Nucleotide #	NM_009535.3
NCBI Official Full Name	tyrosine-protein kinase Yes
NCBI Official Synonym Full Names	YES proto-oncogene 1, Src family tyrosine kinase
NCBI Official Symbol	Yes1
NCBI Official Synonym Symbols	Yes; p61-Yes
UniProt Protein Name	Tyrosine-protein kinase Yes
UniProt Synonym Protein Names	Proto-oncogene c-Yes; p61-Yes
Protein Family	Tyrosine-protein kinase
UniProt Gene Name	Yes1
UniProt Synonym Gene Names	Yes
NCBI Protein Information	tyrosine-protein kinase Yes
UniProt Comments for Yes1	Non-receptor protein tyrosine kinase that is involved in the regulation of cell growth and survival, apoptosis, cell-cell adhesion, cytoskeleton remodeling, and differentiation. Stimulation by receptor tyrosine kinases (RTKs) including EGRF, PDGFR, CSF1R and FGFR leads to recruitment of YES1 to the phosphorylated receptor, and activation and phosphorylation of downstream substrates. Upon EGFR activation, promotes the phosphorylation of PARD3 to favor epithelial tight junction assembly. Participates in the phosphorylation of specific junctional components such as CTNND1 by stimulating the FYN and FER tyrosine kinases at cell-cell contacts. Upon T-cell stimulation by CXCL12, phosphorylates collapsin response mediator protein 2/DPYSL2 and induces T-cell migration. Participates in CD95L/FASLG signaling pathway and mediates AKT-mediated cell migration. Plays a role in cell cycle progression by phosphorylating the cyclin dependent kinase 4/CDK4 thus regulating the G1 phase. Also involved in G2/M progression and cytokinesis ().
Research Articles on Yes1	**1.** Ganglioside GD3 enhances invasiveness of gliomas by forming a complex with PDGFRalpha and Yes Kinase.

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Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/yes1/6364246