

YES1 Polyclonal Antibody Cy5.5 Conjugated

Catalog No: #C05191Cy5.5

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Description

Product Name	YES1 Polyclonal Antibody Cy5.5 Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	IF(IHC-P)
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide aa 480-530 541 derived from human YES1
Conjugates	Cy5.5
Target Name	YES1
Other Names	Yes; c-yes; HsT441; P61-YES; Tyrosine-protein kinase Yes; Proto-oncogene c-Yes; YES1
Accession No.	Swiss-Prot#:P07947NCBI Gene ID:7525
Cell Localization	Cytoplasm, Cell membrane
Concentration	1mg ml
Formulation	Aqueous buffered solution containing 1% BSA, 50% glycerol and 0.09% sodium azide.
Storage	Store at 4C for 12 months.

Application Details

IF:1:50-200

Background

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 EGFR, 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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.