

YES1 Polyclonal Antibody Cy5 Conjugated

Catalog No: #C05191Cy5

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

| | |
|-----------------------|--|
| Product Name | YES1 Polyclonal Antibody Cy5 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 |
| 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.