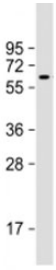
YES1 Antibody [clone 1612CT505.7.50] (F53799)

Catalog No.	Formulation	Size
F53799-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F53799-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	1612CT505.7.50
Purity	Protein G affinity chromatography
UniProt	P07947
Applications	Western blot: 1:2000-4000
Limitations	This YES1 antibody is available for research use only.



Western blot testing of MCF7 cell lysate with YES1 antibody at 1:4000. Predicted molecular weight: 61 kDa.

Description

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.

Application Notes

Titration of the YES1 antibody may be required due to differences in protocols and substrate sensitivity.

Immunogen

Human recombinant protein was used as the immunogen for this YES1 antibody.

Storage

Aliquot the YES1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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