

## Yes1 Rabbit mAb

Catalog No: #52662

Package Size: #52662-1 50ul #52662-2 100ul

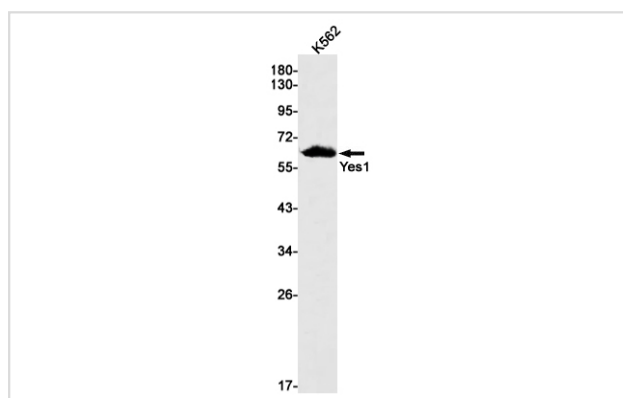
## Description

|                       |                                                                                          |
|-----------------------|------------------------------------------------------------------------------------------|
| Product Name          | Yes1 Rabbit mAb                                                                          |
| Host Species          | Recombinant Rabbit                                                                       |
| Clonality             | Monoclonal                                                                               |
| Clone No.             | S07-8B3                                                                                  |
| Isotype               | Rabbit IgG                                                                               |
| Purification          | Affinity Purified                                                                        |
| Applications          | WB                                                                                       |
| Species Reactivity    | Human                                                                                    |
| Immunogen Description | A synthetic peptide of human Yes1                                                        |
| Conjugates            | Unconjugated                                                                             |
| Modification          | Unmodification                                                                           |
| Other Names           | Yes; c-yes; HsT441; P61-YES                                                              |
| Accession No.         | Swiss-Prot:P07947GenelD:7525                                                             |
| Calculated MW         | Calculated MW: 61 kDa; Observed MW: 61 kDa                                               |
| Concentration         | 0.3 mg/ml                                                                                |
| Formulation           | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA    |
| Storage               | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |

## Application Details

WB: 1/1000-1/5000;

## Images



Western blot detection of Yes1 in K562 cell lysates using Yes1 Rabbit mAb(1:1000 diluted). Predicted band size: 61kDa. Observed band size: 61kDa.

## Background

Swiss-Prot Acc.P07947.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.

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