

## c-Yes Monoclonal Antibody

<b>Catalog No :</b>	YM0178
<b>Reactivity :</b>	Human
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	c-Yes
<b>Fields :</b>	>>Adherens junction
<b>Gene Name :</b>	YES1
<b>Protein Name :</b>	Proto-oncogene tyrosine-protein kinase Yes
<b>Human Gene Id :</b>	7525
<b>Human Swiss Prot No :</b>	P07947
<b>Mouse Swiss Prot No :</b>	Q04736
<b>Immunogen :</b>	Purified recombinant fragment of c-Yes (aa10-193) expressed in E. Coli.
<b>Specificity :</b>	c-Yes Monoclonal Antibody detects endogenous levels of c-Yes protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Monoclonal, Mouse
<b>Dilution :</b>	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.
<b>Purification :</b>	Affinity purification
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	61kD
<b>Cell Pathway :</b>	Adherens_Junction;Adherens_Junction;

## P References :

1. J Biol Chem. 2004 Jun 4;279(23):23977-87.
2. J Biol Chem. 2004 Jul 23;279(30):31590-8.
3. Nat Biotechnol. 2005 Jan;23(1):94-101.

## Background :

This gene is the cellular homolog of the Yamaguchi sarcoma virus oncogene. The encoded protein has tyrosine kinase activity and belongs to the src family of proteins. This gene lies in close proximity to thymidylate synthase gene on chromosome 18, and a corresponding pseudogene has been found on chromosome 22. [provided by RefSeq, Jul 2008],

## Function :

catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,function:Promotes infectivity of Neisseria gonorrhoeae in epithelial cells by phosphorylating MCP/CD46.,PTM:Autophosphorylated.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. SRC subfamily.,similarity:Contains 1 protein kinase domain.,similarity:Contains 1 SH2 domain.,similarity:Contains 1 SH3 domain.,subcellular location:In epithelial cells infected with Neisseria gonorrhoeae, forms aggregates beneath bacterial microcolonies.,

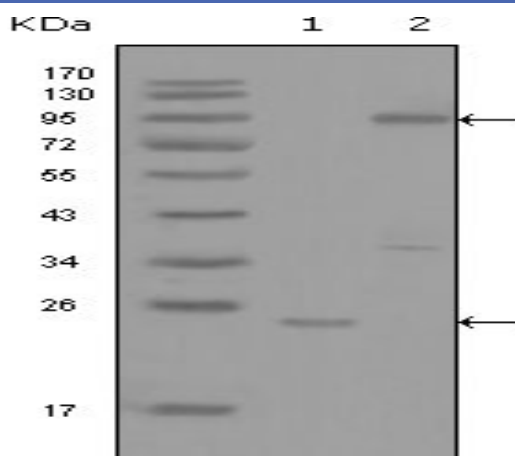
## Subcellular Location :

Cell membrane. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytosol. Newly synthesized protein initially accumulates in the Golgi region and traffics to the plasma membrane through the exocytic pathway.

## Expression :

Expressed in the epithelial cells of renal proximal tubules and stomach as well as hematopoietic cells in the bone marrow and spleen in the fetal tissues. In adult, expressed in epithelial cells of the renal proximal tubules and present in keratinocytes in the basal epidermal layer of epidermis.

## Products Images



Western Blot analysis using c-Yes Monoclonal Antibody against truncated YES1-His recombinant protein (1) and full-length GFP-YES1(aa1-543) transfected COS7 cell lysate (2).