

## Tec Rabbit mAb

Catalog No: #52617

Package Size: #52617-1 50ul #52617-2 100ul

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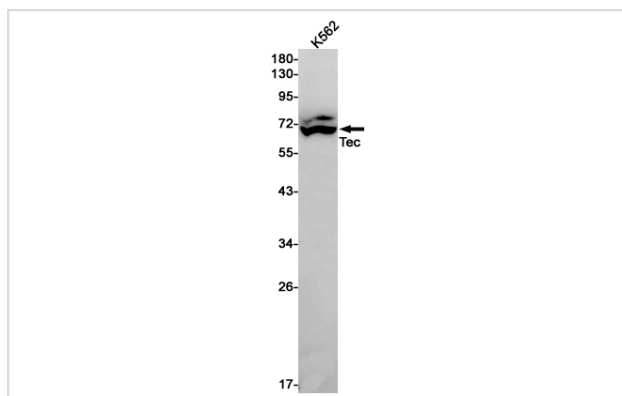
## Description

Product Name	Tec Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S09-6E7
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic peptide of human Tec
Conjugates	Unconjugated
Modification	Unmodification
Other Names	Tyrosine-protein kinase Tec
Accession No.	Swiss-Prot:P42680GenelD:7006
Uniprot	P42680
GenelD	7006
Calculated MW	Calculated MW: 74 kDa; Observed MW: 58-75 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

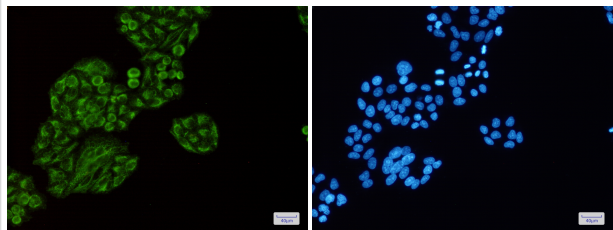
WB: 1/2000; ICC/IF: 1/20-1/100;

## Images



Western blot detection of Tec in K562 cell lysates using Tec Rabbit mAb(1:1000 diluted).Predicted band size:74kDa.Observed band size:58-75kDa.

Immunocytochemistry of Tec(green) in Hela cells using Tec Rabbit mAb at dilution 1/50, and DAPI(blue)



## Background

Swiss-Prot Acc.P42680.Non-receptor tyrosine kinase that contributes to signaling from many receptors and participates as a signal transducer in multiple downstream pathways, including regulation of the actin cytoskeleton. Plays a redundant role to ITK in regulation of the adaptive immune response. Regulates the development, function and differentiation of conventional T-cells and nonconventional NKT-cells. Required for TCR-dependent IL2 gene induction. Phosphorylates DOK1, one CD28-specific substrate, and contributes to CD28-signaling. Mediates signals that negatively regulate IL2RA expression induced by TCR cross-linking. Plays a redundant role to BTK in BCR-signaling for B-cell development and activation, especially by phosphorylating STAP1, a BCR-signaling protein. Required in mast cells for efficient cytokine production. Involved in both growth and differentiation mechanisms of myeloid cells through activation by the granulocyte colony-stimulating factor CSF3, a critical cytokine to promoting the growth, differentiation, and functional activation of myeloid cells. Participates in platelet signaling downstream of integrin activation. Cooperates with JAK2 through reciprocal phosphorylation to mediate cytokine-driven activation of FOS transcription. GRB10, a negative modifier of the FOS activation pathway, is another substrate of TEC. TEC is involved in G protein-coupled receptor- and integrin-mediated signalings in blood platelets. Plays a role in hepatocyte proliferation and liver regeneration and is involved in HGF-induced ERK signaling pathway. TEC regulates also FGF2 unconventional secretion (endoplasmic reticulum (ER)/Golgi-independent mechanism) under various physiological conditions through phosphorylation of FGF2 &#39;Tyr-215&#39;. May also be involved in the regulation of osteoclast differentiation.

Note: This product is for in vitro research use only