

Rabbit anti-Human, mouse TEC Polyclonal Antibody | anti-TEC antibody

TEC Antibody (Center)

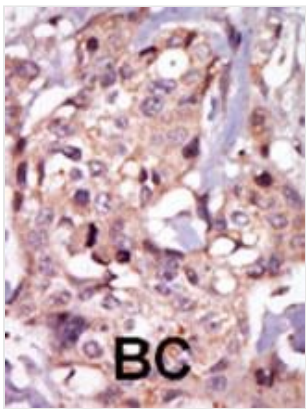
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290393	Rabbit	Human, mouse	Immunofluorescence, Western Blot, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

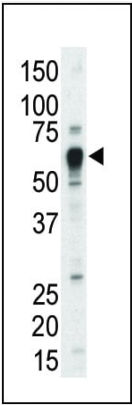
TEC; Polyclonal Antibody; TEC Antibody (Center); Tyrosine-protein kinase Tec; PSCTK4; anti-TEC antibody

PRODUCT SPECIFICATIONS

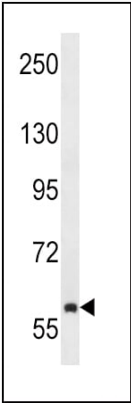
Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This TEC antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 175-205 amino acids from the Central region of human TEC.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	175-205
Sequence Length	631
Applicable Applications for anti-TEC antibody	IF (Immunofluorescence), WB (Western Blot), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



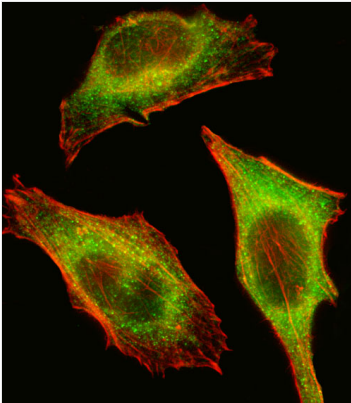
IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



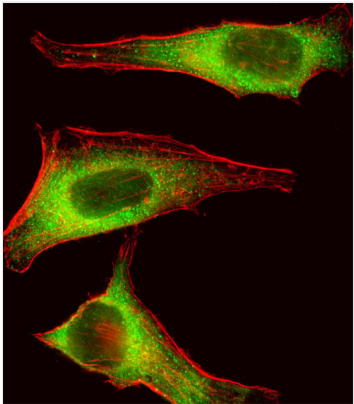
WB (Western Blot)
Western blot analysis of anti-TEC Pab in mouse liver tissue lysate. TEC (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.



WB (Western Blot)
TEC Antibody (F190) western blot analysis in NCI-H292 cell line lysates (35ug/lane). This demonstrates the TEC antibody detected the TEC protein (arrow).



IF (Immunofluorescence)
Fluorescent image of HeLa cell stained with TEC Antibody (Center). HeLa cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with TEC primary antibody (1:25, 1 h at 37 degree). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 degree). Cytoplasmic actin was counterstained with Alexa Fluor 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37 degree). TEC immunoreactivity is localized to Cytoplasm significantly.



IF (Immunofluorescence)
Fluorescent image of HeLa cell stained with TEC Antibody (Center). HeLa cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with TEC primary antibody (1:25, 1 h at 37 degree). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 degree). Cytoplasmic actin was counterstained with Alexa Fluor 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37 degree). TEC immunoreactivity is localized to Cytoplasm significantly.

ADDITIONAL INFORMATION

Related Product Information for anti-TEC antibody	TEC belongs to the TEC subfamily of non-receptor protein-tyrosine kinases containing a pleckstrin homology domain. TEC family kinases are involved in the intracellular signaling mechanisms of cytokine receptors, lymphocyte surface antigens, heterotrimeric G-protein coupled receptors, and integrin molecules. They are also key players in the regulation of the immune functions. TEC kinase is an integral component of T cell signaling and has a distinct role in T cell activation. TEC may be associated with myelodysplastic syndrome.
Product Categories/Family for anti-TEC antibody	Signal Transduction
References	Nore, B.F., et al., Biochim. Biophys. Acta 1645(2):123-132 (2003). Maltais, A., et al., Cancer Lett. 183(1):87-94 (2002). Lachance, G., et al., J. Biol. Chem. 277(24):21537-21541 (2002). Yang, W.C., et al., Immunity 12(4):373-382 (2000). Yang, W.C., et al., J. Biol. Chem. 274(2):607-617 (1999).

NCBI AND UNIPROT INFORMATION

NCBI GI #	130977759
NCBI GeneID	7006
NCBI Accession #	NP_003206.2
NCBI GenBank Nucleotide #	NM_003215.2
UniProt Accession #	P42680 ; Q3MIS5 ; B7ZKZ6
Molecular Weight	73581
NCBI Official Full Name	tyrosine-protein kinase Tec
NCBI Official Synonym Full Names	tec protein tyrosine kinase
NCBI Official Symbol	TEC
NCBI Official Synonym Symbols	PSCTK4
NCBI Protein Information	tyrosine-protein kinase Tec
UniProt Protein Name	Tyrosine-protein kinase Tec
UniProt Gene Name	TEC
UniProt Synonym Gene Names	PSCTK4
UniProt Entry Name	TEC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/tec-antibody-immunofluorescence-western-blot-immunohistochemistry-elisa/290393>