

Rabbit TEK (TIE2) Polyclonal Antibody | anti-TEK antibody

TEK (TIE2) Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285821	Rabbit	Human (Predicted Reactivity: Bovine)	Western Blot, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

TEK (TIE2); Polyclonal Antibody; TEK (TIE2) Antibody (C-term); Angiopoietin-1 receptor; Endothelial tyrosine kinase; Tunica interna endothelial cell kinase; Tyrosine kinase with Ig and EGF homology domains-2; Tyrosine-protein kinase receptor TEK; Tyrosine-protein kinase receptor TIE-2; hTIE2; p140 TEK; CD202b; TEK; TIE2; VMCM; VMCM1; anti-TEK antibody

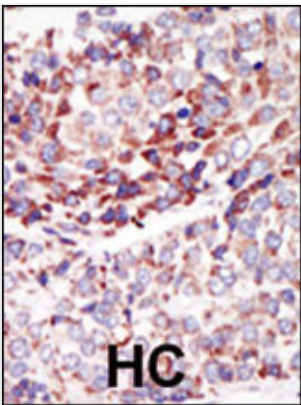
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This TEK (TIE2) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 758-789 amino acids from the C-terminal region of human TEK (TIE2).
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 prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 1.86 (varies by lot)
Sequence Positions	758-789
Sequence Length	1124
Applicable Applications for anti-TEK antibody	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.

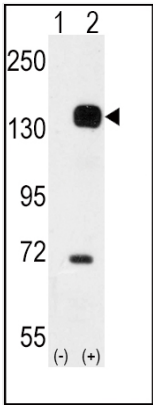
IMAGES



IHC (Immunohistochemisry)
Formalin-fixed and paraffin-embedded human testis tissue reacted with TEK Antibody (C-term) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



IHC (Immunohiostchemistry)
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 TEK (arrow) using rabbit polyclonal TEK Antibody (C-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the TEK gene (Lane 2) (Origene Technologies).

ADDITIONAL INFORMATION

Related Product Information for anti-TEK antibody	The TEK receptor tyrosine kinase is expressed almost exclusively in endothelial cells in mice, rats, and humans. This receptor possesses a unique extracellular domain containing 2 immunoglobulin-like loops separated by 3 epidermal growth factor-like repeats that are connected to 3 fibronectin type III-like repeats. The ligand for the receptor is angiopoietin-1. Defects in TEK are associated with inherited venous malformations; the TEK signaling pathway appears to be critical for endothelial cell-smooth muscle cell communication in venous morphogenesis. TEK is closely related to the TIE receptor tyrosine kinase.
Product Categories/Family for anti-TEK antibody	Cancer; Cardiovascular; Developmental Biology; Immunology; Signal Transduction
References	Cascone, I., et al., Blood 102(7):2482-2490 (2003). DeBusk, L.M., et al., Arthritis Rheum. 48(9):2461-2471 (2003). Poncet, S., et al., Neuropathol Appl Neurobiol 29(4):361-369 (2003). Lee, H.J., et al., Biochem. Biophys. Res. Commun. 304(2):399-404 (2003). Sussman, L.K., et al., Cancer Biol. Ther. 2(3):255-256 (2003).

NCBI AND UNIPROT INFORMATION

NCBI GI #	88758596
NCBI GeneID	7010

NCBI Accession #	NP_000450.2
NCBI GenBank Nucleotide #	NM_000459.4
UniProt Accession #	Q02763; Q5TCU2; Q8IV34; A8K6W0; B4DH20; B4DHD3; D3DRK5; E7EWI2
Molecular Weight	125830
NCBI Official Full Name	angiotensin-1 receptor isoform 1
NCBI Official Synonym Full Names	TEK tyrosine kinase, endothelial
NCBI Official Symbol	TEK
NCBI Official Synonym Symbols	TIE2; VMCM; TIE-2; VMCM1; CD202B
NCBI Protein Information	angiotensin-1 receptor
UniProt Protein Name	Angiotensin-1 receptor
UniProt Gene Name	TEK
UniProt Synonym Gene Names	TIE2; VMCM; VMCM1; hTIE2
UniProt Entry Name	TIE2_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/tek-tie2-antibody-western-blot-immunohistochemistry-elisa/285821>