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TEK (TIE2) Antibody (N-term) Blocking peptide

Synthetic peptide
Catalog # BP7684b

Specification

TEK (TIE2) Antibody (N-term) Blocking peptide - Product Information

Primary Accession Q969V4

TEK (TIE2) Antibody (N-term) Blocking peptide - Additional Information

Gene ID 83659

Other Names
Tektin-1, TEKT1

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP7684b was selected from the N-term region of human TEK . A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

TEK (TIE2) Antibody (N-term) Blocking peptide - Protein Information

Name TEKT1

Function
Structural component of ciliary and flagellar

TEK (TIE2) Antibody (N-term) Blocking peptide - Background

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.

TEK (TIE2) Antibody (N-term) Blocking peptide - 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).

microtubules. Forms filamentous polymers in the walls of ciliary and flagellar microtubules.

Cellular Location
Cytoplasm, cytoskeleton, cilium axoneme. Cytoplasm, cytoskeleton, flagellum axoneme

Tissue Location
Predominantly expressed in testis.

TEK (TIE2) Antibody (N-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides