Datasheet for ABIN3029103

anti-TEK antibody (AA 758-789)

5 Images

Go to Product page

Overview

Quantity:	0.4 mL
Target:	TEK
Binding Specificity:	AA 758-789
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TEK antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	A portion of amino acids 758-789 from the human protein was used as the immunogen for this TIE2 antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Bovine
Purification:	Purified

Target Details

Target:	TEK
Alternative Name:	TIE2 (TEK Products)
Background:	The TEK receptor tyrosine kinase is expressed almost exclusively in endothelial cells in mice,

Target Details

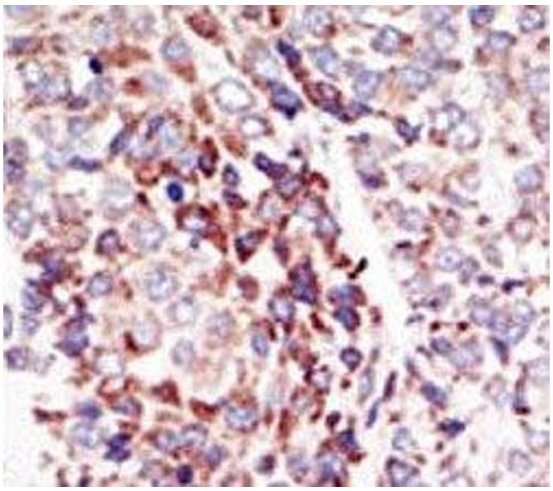
	rats, and humans. This receptor possesses a unique extracellular domain containing 2 immunoglobulin-like loops separated by 3 epidermal growth factor-like repeats that are connected to 3 fibronectin type III-like repeats. The ligand for the receptor is angiopoietin-1. Defects in TEK are associated with 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.
UniProt:	Q02763
Pathways:	RTK Signaling, Growth Factor Binding

Application Details

Application Notes:	Titration of the TIE2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:50-1:100
Restrictions:	For Research Use only

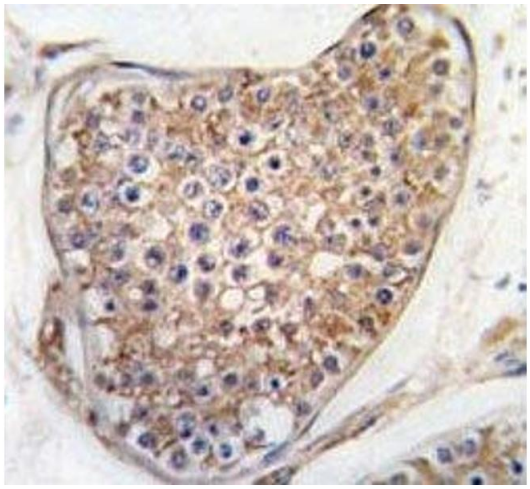
Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the TIE2 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



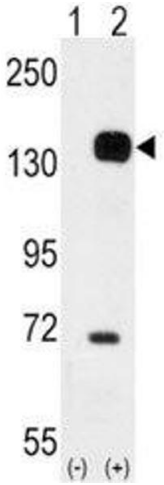
Immunohistochemistry

Image 1. IHC analysis of FFPE human hepatocarcinoma tissue stained with the TIE2 antibody



Immunohistochemistry

Image 2. IHC analysis of FFPE human testis tissue stained with TIE2 antibody



Western Blotting

Image 3. Western blot analysis of TIE2 antibody and 293 cell lysate either nontransfected (Lane 1) or transiently transfected with the TEK gene (2).

Please check the product details page for more images. Overall 5 images are available for ABIN3029103.