TIE2 Antibody / TEK (R30138)

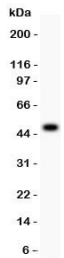
Catalog No.	Formulation	Size
R30138	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
Gene ID	7010
Applications	Western blot: 0.5-1ug/ml
Limitations	This TIE2 antibody is available for research use only.



Western blot testing of TIE2 antibody and MCF-7 lysate; Predicted molecular weight: ~126 kDa but may be observable at 130-165 kDa.



Western blot testing of TIE2 antibody and human recombinant protein (0.5ng)

Description

Tyrosine kinase with Ig and EGF homology domains 2, also known as TEK tyrosine kinase, is a receptor that belongs to the Tie2 family. The encoded protein possesses a unique extracellular region that contains two immunoglobulin-like domains, three epidermal growth factor (EGF)-like domains and three fibronectin type III repeats. The ligand Angiopoietin-1 binds to this receptor and mediates a signaling pathway that functions in embryonic vascular development. Immunoblotting showed that TIE2 expression was increased by thyroid-stimulating hormone and agents that increased intracellular cAMP. HSCs expressing the receptor tyrosine kinase TIE2 are quiescent and antiapoptotic and comprise a side population of HSCs that adhere to osteoblasts in the bone marrow niche.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the TIE2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Human partial recombinant protein (AA 641-830) was used as the immunogen for this TIE2 antibody.

Storage

After reconstitution, the TIE2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Copyright © NSJ Bioreagents. All rights reserved.