TIE2 (Phospho-Tyr992) Antibody

Catalog No: #11756

Package Size: #11756-1 50ul #11756-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

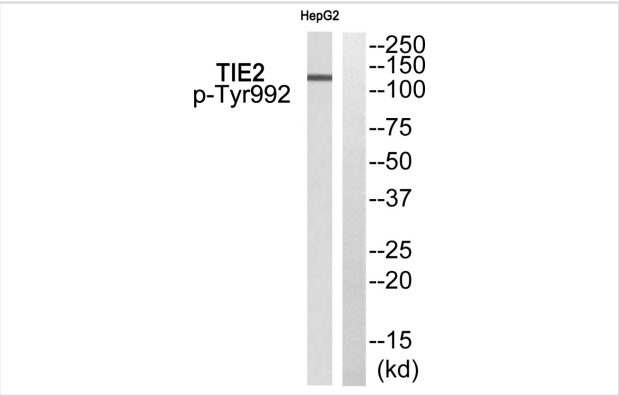
Description

Product Name	TIE2 (Phospho-Tyr992) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu
Specificity	The Antibody detects endogenous levels of TIE2 only when phosphorylated at Tyr992.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 992 (E-V-Y(p)-V-K) derived from Human TIE2.
Target Name	TIE2
Modification	Phospho
Other Names	Angiopoietin-1 receptor,EC=2.7.10.1 Tunica interna endothelial cell kinase Tyrosine-protein kinase receptor TEK Tyrosine-protein kinase receptor TIE-2 hTIE2 p140 TEK CD202b TEK TIE2;
Accession No.	Swiss-Prot#: Q02763; NCBI Gene#: 7010; NCBI Protein#: NP_000450.2.
Uniprot	Q02763
GeneID	7010;
SDS-PAGE MW	126kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from HepG2 using TIE2 (Phospho-Tyr992) Antibody #11756.The lane on the right is treated with the antigen-specific 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.

Schooley K.A., Baum P.R. Oncogene 8:663-670(1993)

Dunham I. Nature 429:369-374(2004)

Venter J.C. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases

Note: This product is for in vitro research use only