

Product datasheet for **AP55775PU-N**

TIE2 (TEK) pTyr992 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western blot: 1:500~1:1000.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Peptide sequence around phosphorylation site of tyrosine 992 (E-V-Y(p)-V-K) derived from Human TIE2 (KLH-conjugated)
Specificity:	The Antibody detects endogenous levels of TIE2 only when phosphorylated at Tyr992.
Formulation:	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol State: Aff - Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography using epitope-specific peptide
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	126 kDa
Gene Name:	TEK receptor tyrosine kinase
Database Link:	Entrez Gene 7010 Human Q02763



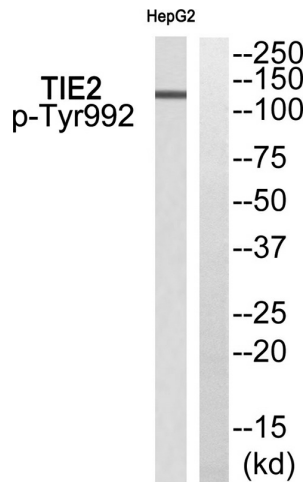
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Background:

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.

Synonyms:

TIE2, TIE-2, Angiopoietin-1 receptor, p140 TEK

Product images:


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