



## TIE2 (Phospho-Tyr1102) Antibody

E11-0747A

**Catalog Number:** E11-0747A

**Concentration:** 1mg/ml

**Swiss-Prot No.:** Q02763

**Other Names:** Angiopoletin 1 receptor precursor, CD202b antigen, EC 2.7.10.1, HYK, P140 TEK, TEK, TIE-2, Tunica interna endothelial cell kinase, Tyrosine-protein kinase receptor TEK, Tyrosine-protein kinase receptor TIE-2, kinase TIE2

**All Sites:** Human: Tyr1102; Mouse: Tyr1100

**Storage/Stability:** Store at -20 °C/1 year

**Form of Antibody:** Rabbit IgG in phosphate buffered saline (without  $Mg^{2+}$  and  $Ca^{2+}$ ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

**Immunogen:** The antiserum was produced against synthesized phosphopeptide derived from human TIE2 around the phosphorylation site of tyrosine 1102 (K-T-Y<sup>P</sup>-V-N).

**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.

**Specificity:** TIE2 (Phospho-Tyr1102) antibody detects endogenous levels of TIE2 only when phosphorylated at tyrosine 1102.

**Reactivity:** Human (Identities = 100%, Positives = 100%); Mouse (Identities = 100%, Positives = 100%)

**Applications:** IHC: 1:50~1:100      ELISA: 1:40000

### References:

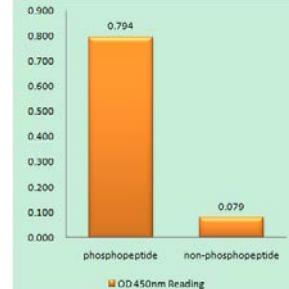
Monica Iurlaro, J. Cell Sci., Sep 2003; 116: 3635.

Ok-Hee Lee, Mol. Cancer Res., Dec 2006; 4: 915 - 926.

Bernhard Witzenbichler, J. Biol. Chem., Jul 1998; 273: 18514.



P-peptide      +  
 Immunohistochemistry analysis of paraffin-embedded human brain tissue using TIE2 (Phospho-Tyr1102) antibody.



TIE2 (Phospho-Tyr1102) antibody reacts with epitope-specific phosphopeptide and corresponding non-phosphopeptide. The absorbance readings at 450 nM are shown in the ELISA figure.