# Phospho-Tie2 (Tyr992) Ab

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| Cat.#: AF2424 | Concn.: 1mg/ml | Mol.Wt.: 160kDa |
| Size: 100ul,200ul | Source: Rabbit | Clonality: Polyclonal |

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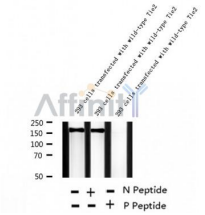
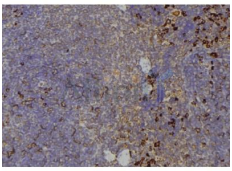
| Application: | WB 1:500-1:2000, IHC 1:50-1:200 |
| Reactivity: | Human,Mouse,Rat |
| Purification: | The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns. |
| Specificity: | Phospho-Tie2 (Tyr992) Ab detects endogenous levels of Tie2. |
| Immunogen: | A synthesized peptide derived from human Tie2 around the phosphorylation site of Tyr992. |
| Uniprot: | Q02763 |
| Subcellular Location: | Cell membrane. Cell junction. Cell junction, focal adhesion. Cytoplasm, cytoskeleton. Secreted. Recruited to cell-cell contacts in quiescent endothelial cells. Colocalizes with the actin cytoskeleton and at actin stress fibers during cell spreading. Recruited to the lower surface of migrating cells, especially the rear end of the cell. Proteolytic processing gives rise to a soluble extracellular domain that is secreted. |
| Tissue Specificity: | Detected in umbilical vein endothelial cells. Proteolytic processing gives rise to a soluble extracellular domain that is detected in blood plasma (at protein level). Predominantly expressed in endothelial cells and their progenitors, the angioblasts. Has been directly found in placenta and lung, with a lower level in umbilical vein endothelial cells, brain and kidney. |
| Similarity: | The soluble extracellular domain is functionally active in angiopoietin binding and can modulate the activity of the membrane-bound form by competing for angiopoietins.Belongs to the protein kinase superfamily. Tyr protein kinase family. Tie subfamily. |
| Storage Condition and Buffer: | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt |




Western blot analysis of extracts of 293 cells transfected with wild-type Tie2, using Phospho-Tie2 (Tyr992) Ab.



AF2424 at 1/100 staining Human lymph node tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.

*IMPORTANT:* For western blot, incubate membrane with diluted Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.