

## Anti-TrkA Rabbit pAb



WL03248

For Research Use Only. Not For Use In Diagnostic Procedures

## Product Information

|                            |   |              |  |
|----------------------------|---|--------------|--|
| <b>Product name</b>        | Anti-TrkA Rabbit pAb  |              |  |
| <b>Source</b>              | Rabbit  |              |  |
| <b>Species reactivity</b>  | Mouse, Rat  |              |  |
| <b>Tested applications</b> | Western blot  | 1:500-1:1000 |  |
|                            | <i>*Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.</i> |              |  |
| <b>Pack size</b>           | 50/100/200/500/1000µl   |              |  |
| <b>Storage</b>             | Store at -20°C. <b>Avoid freeze/thaw cycles.</b>  |              |  |
| <b>Storage buffer</b>      | Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide   |              |  |

## General Information

|                     |   |
|---------------------|---|
| <b>Background</b>   | The family of Trk receptor tyrosine kinases consists of TrkA, TrkB, and TrkC. While the sequence of these family members is highly conserved, they are activated by different neurotrophins. In the adult nervous system, the Trk receptors regulate synaptic strength and plasticity. TrkA regulates proliferation and is important for development and maturation of the nervous system. Phosphorylation at Tyr490 is required for Shc association and activation of the Ras-MAP kinase cascade. Residues Tyr674/675 lie within the catalytic domain, and phosphorylation at these sites reflects TrkA kinase activity. TrkA is activated in many malignancies including breast, ovarian, prostate, and thyroid carcinomas. |
| <b>Immunogen</b>    | Polyclonal antibody is produced by immunizing animals with a synthetic peptide of TrkA.   |
| <b>Purification</b> | Polyclonal antibody was purified by immunogen affinity chromatography.  |

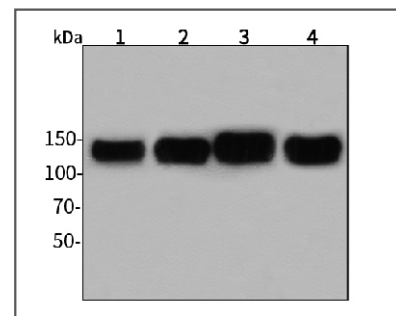
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## Product Images



## Western blot-Anti-TrkA pAb

Lane 1: Mouse heart tissue lysate  
 Lane 2: Mouse brain tissue lysate  
 Lane 3: Rat lung tissue lysate  
 Lane 4: Rat stomach tissue lysate  
 All lanes: Anti-TrkA at 1:1000 dilution  
 Lysates/proteins at 20-50 µg per lane.  
 Predicted band size: 87 kDa  
 Observed band size: 87/140 kDa