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|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product name:</b>     | EphA3/4/5 (phospho Tyr779/833) Rabbit Polyclonal Antibody                                                                                           |
| <b>Cat number:</b>       | ABN04613                                                                                                                                            |
| <b>Conjugate:</b>        | Unconjugated                                                                                                                                        |
| <b>Size:</b>             | 100µL                                                                                                                                               |
| <b>Clone:</b>            | Polyclonal                                                                                                                                          |
| <b>Concentration:</b>    | 1mg/ml                                                                                                                                              |
| <b>Host:</b>             | Rabbit                                                                                                                                              |
| <b>Isotype:</b>          | IgG                                                                                                                                                 |
| <b>Immunogen:</b>        | The antiserum was produced against synthesized peptide derived from human EPHA3/4/5 around the phosphorylation site of Tyr779/833. AA range:746-795 |
| <b>Reactivity:</b>       | Human,Mouse,Rat                                                                                                                                     |
| <b>Applications:</b>     | IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000                                                                                              |
| <b>Molecular Weight:</b> | 110kDa                                                                                                                                              |
| <b>Purification:</b>     | Affinity purification                                                                                                                               |
| <b>Form:</b>             | Liquid                                                                                                                                              |
| <b>Buffer:</b>           | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.                                                                  |
| <b>Storage:</b>          | Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.                                                        |

**Background:**

This gene belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family. EPH and EPH-related receptors have been implicated in mediating developmental events, particularly in the nervous system. Receptors in the EPH subfamily typically have a single kinase domain and an extracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. The ephrin receptors are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. This gene encodes a protein that binds ephrin-A ligands. Two alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Jul 2008],catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,disease:Defects in EPHA3 may be a cause of colorectal cancer (CRC) [MIM:114500],function:Receptor for members of the ephrin-A family. Binds to ephrin-A2, -A3, -A4 and -A5. Could play a role in lymphoid function.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. Ephrin receptor subfamily.,similarity:Contains 1 protein kinase domain.,similarity:Contains 1 SAM (sterile alpha motif) domain.,similarity:Contains 2 fibronectin type-III domains.,tissue specificity:Widely expressed. Highest level in placenta.,