

**Ephrin-A2 rabbit pAb****Cat#: orb765151 (Manual)**

For research use only. Not intended for diagnostic use.

|                                 |   |
|---------------------------------|---|
| <b>Product Name</b>             | Ephrin-A2 rabbit pAb  |
| <b>Host species</b>             | Rabbit  |
| <b>Applications</b>             | WB;ELISA  |
| <b>Species Cross-Reactivity</b> | Human;Mouse   |
| <b>Recommended dilutions</b>    | Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.                                   |
| <b>Immunogen</b>                | The antiserum was produced against synthesized peptide derived from human EFNA2. AA range:1-50                        |
| <b>Specificity</b>              | Ephrin-A2 Polyclonal Antibody detects endogenous levels of Ephrin-A2 protein.   |
| <b>Formulation</b>              | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..  |
| <b>Storage</b>                  | Store at -20°C. Avoid repeated freeze-thaw cycles.  |
| <b>Protein Name</b>             | Ephrin-A2   |
| <b>Gene Name</b>                | EFNA2   |
| <b>Cellular localization</b>    | Cell membrane ; Lipid-anchor, GPI-anchor .  |
| <b>Purification</b>             | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| <b>Clonality</b>                | Polyclonal  |

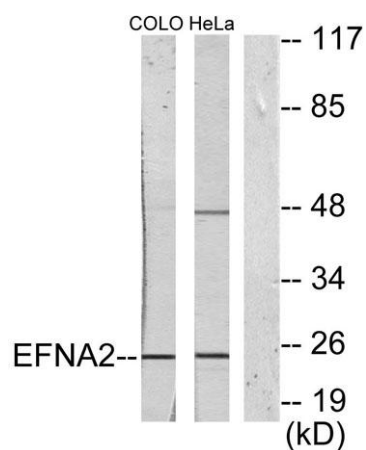
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| <b>Concentration</b>           | 1 mg/ml  |
| <b>Observed band</b>           | 24kD   |
| <b>Human Gene ID</b>           | 1943   |
| <b>Human Swiss-Prot Number</b> | O43921   |
| <b>Alternative Names</b>       | EFNA2; EPLG6; LERK6; Ephrin-A2; EPH-related receptor tyrosine kinase ligand 6; LERK-6; HEK7 ligand; HEK7-L |

### Background

This gene encodes a member of the ephrin family. The protein is composed of a signal sequence, a receptor-binding region, a spacer region, and a hydrophobic region. The EPH and EPH-related receptors comprise the largest subfamily of receptor protein-tyrosine kinases and have been implicated in mediating developmental events, particularly in the nervous system. Based on their structures and sequence relationships, ephrins are divided into the ephrin-A (EFNA) class, which are anchored to the membrane by a glycosylphosphatidylinositol linkage, and the ephrin-B (EFNB) class, which are transmembrane proteins. Posttranslational modifications determine whether this protein localizes to the nucleus or the cytoplasm. [provided by RefSeq, Jul 2008],



**Western Blot analysis of various cells using Ephrin-A2 Polyclonal Antibody**



**Western blot analysis of lysates from HeLa and COLO205 cells, using EFNA2 Antibody. The lane on the right is blocked with the synthesized peptide.**