

Ephrin-B3 rabbit pAb

Cat No.:ES5048

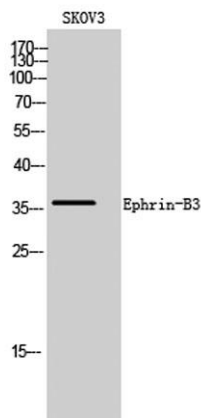
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Overview

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| Product Name | Ephrin-B3 rabbit pAb |
| Host species | Rabbit |
| Applications | WB;IHC;IF;ELISA |
| Species Cross-Reactivity | Human;Mouse;Rat |
| Recommended dilutions | Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications. |
| Immunogen | The antiserum was produced against synthesized peptide derived from human EFNB3. AA range:221-270 |
| Specificity | Ephrin-B3 Polyclonal Antibody detects endogenous levels of Ephrin-B3 protein. |
| Formulation | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Storage | Store at -20°C. Avoid repeated freeze-thaw cycles. |
| Protein Name | Ephrin-B3 |
| Gene Name | EFNB3 |
| Cellular localization | Membrane; Single-pass type I membrane protein. |
| Purification | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Clonality | Polyclonal |
| Concentration | 1 mg/ml |
| Observed band | 36kD |
| Human Gene ID | 1949 |
| Human Swiss-Prot Number | Q15768 |
| Alternative Names | EFNB3; EPLG8; LERK8; Ephrin-B3; EPH-related receptor transmembrane ligand ELK-L3; EPH-related receptor tyrosine kinase ligand 8; LERK-8 |
| Background | EFNB3, a member of the ephrin gene family, is important in brain development as well as in its maintenance. Moreover, since levels of EFNB3 expression were particularly high in several |

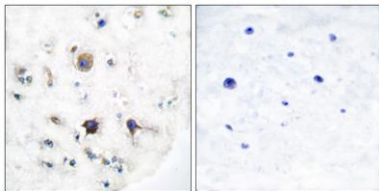


forebrain subregions compared to other brain subregions, it may play a pivotal role in forebrain function. The EPH and EPH-related receptors comprise the largest subfamily of receptor protein-tyrosine kinases and have been implicated in mediating developmental events, particularly in the nervous system. EPH Receptors typically have a single kinase domain and an extracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. The ephrin ligands and receptors have been named by the Eph Nomenclature Committee (1997). 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



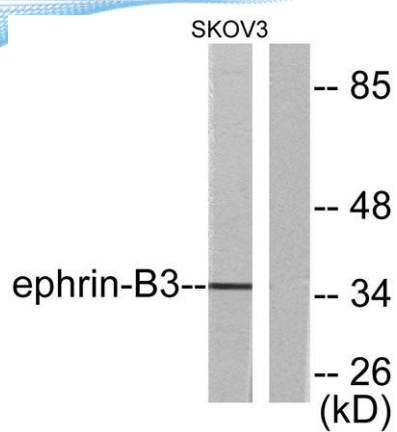
Western Blot analysis of SKOV3 cells using Ephrin-B3 Polyclonal Antibody

Immunohistochemistry analysis of paraffin-embedded human brain tissue, using EFNB3 Antibody. The picture on the right is blocked with the synthesized peptide.





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Western blot analysis of lysates from SKOV3 cells, using EFNB3 Antibody. The lane on the right is blocked with the synthesized peptide.



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