

## Numb Rabbit Polyclonal Antibody

### Catalog #: EAB10979

| Host/Isotype | Clonality  | Applications             | MW (kDa) | Reactivity        |
|--------------|------------|--------------------------|----------|-------------------|
| Rabbit IgG   | Polyclonal | WB, IHC-P, IF/ICC, ELISA | 70       | Human, Mouse, Rat |

### Applications Dilutions

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

|  |              |
|--|--------------|
| <b>WB</b> (Western Blotting)                           | 1:500-2000   |
| <b>IHC-P</b> (Immunohistochemistry-Paraffin)           | 1:50-300     |
| <b>IF/ICC</b> (Immunofluorescence/Immunocytochemistry) | 1:50-300     |
| <b>ELISA</b> (Enzyme-linked Immunosorbent Assay)       | 1:5000-20000 |

### Product Information

|                       |   |
|-----------------------|---|
| <b>Conjugate</b>      | Unconjugate   |
| <b>Specificity</b>    | Numb Rabbit Polyclonal Antibody detects endogenous levels of Numb protein.  |
| <b>Purification</b>   | Affinity purification   |
| <b>Concentration</b>  | 1mg/ml  |
| <b>Format</b>         | Liquid  |
| <b>Formulation</b>    | In PBS, pH 7.4, Containing 0.02% sodium azide, 0.5% BSA and 50% Glycerol  |
| <b>Shipping</b>       | Gel Pack  |
| <b>Storage</b>        | Store at -20°C least 1 year from the date of shipment. Avoid repeated freeze/thaw cycles.<br>Aliquots may be stored at +4°C for 1-2 weeks |
| <b>UniProt ID</b>     | <a href="#">P49757</a>  |
| <b>Entrez-Gene Id</b> | <a href="#">8650</a>  |

### Product Description

Neuronal cell fate decisions are directed in Drosophila by NUMB, a signaling adapter protein with two protein-protein interaction domains: a phosphotyrosine-binding domain and a proline-rich SH3-binding region (PRR). Mammalian NUMB homologs play a role in the determination of cell fates during development and bind with EPS15, LNX1, and NOTCH1. Conditional mouse mutants with deletion of NUMB in developing sensory ganglia show a reduction in axonal arborization in afferent fibers. Changes in cellular calcium homeostasis influences NUMB-dependent cell fate decisions during development of the nervous system. Chicken NUMB (c-NUMB) protein is localized to the basal cortex of mitotic neuroepithelial cells.

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