

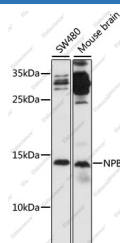
## NPB Polyclonal Antibody

catalog number: E-AB-91594

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

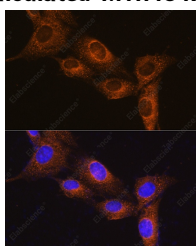
| Description  |                                                                                    |
|--------------|------------------------------------------------------------------------------------|
| Reactivity   | Human;Mouse                                                                        |
| Immunogen    | Recombinant fusion protein of human NPB                                            |
| Host         | Rabbit                                                                             |
| Isotype      | Rabbit IgG                                                                         |
| Purification | Affinity purification                                                              |
| Buffer       | Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol. |
| Applications | Recommended Dilution                                                               |
| WB           | 1:500-1:2000                                                                       |
| IF           | 1:50-1:200                                                                         |

## Data

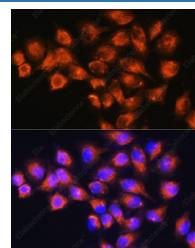


Western blot analysis of extracts of various cell lines using NPB Polyclonal Antibody at 1:1000 dilution.

**Observed-MW:13 kDa**  
**Calculated-MW:13 kDa**



Immunofluorescence analysis of NIH/3T3 cells using NPB Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of HeLa cells using NPB Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

## Preparation & Storage

|                 |                                                                                                        |
|-----------------|--------------------------------------------------------------------------------------------------------|
| <b>Storage</b>  | Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.                                        |
| <b>Shipping</b> | The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended. |

## Background

### For Research Use Only

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Rev. V1.8

This gene encodes a member of the neuropeptide B/W family of proteins and preproprotein that is proteolytically processed to generate multiple protein products. The encoded products include neuropeptide B-23 and a C-terminally extended form, neuropeptide B-29, which are characterized by an N-terminal brominated tryptophan amino acid. Both of the encoded peptides bind with higher affinity to neuropeptide B/W (NPB/W) receptor 1 compared to the related NPB/W receptor 2. These peptides may regulate feeding, pain perception, and stress in rodents.