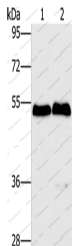
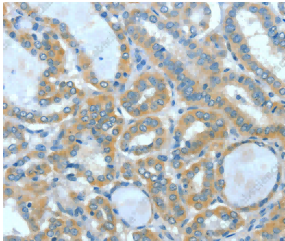


## SPHK2 Polyclonal Antibody

catalog number: E-AB-10958

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

| Description  |                                                                                    |
|--------------|------------------------------------------------------------------------------------|
| Reactivity   | Human;Mouse                                                                        |
| Immunogen    | Recombinant protein of human SPHK2                                                 |
| 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           | 1:200-1:1000                                                                       |
| IHC          | 1:25-1:100                                                                         |

| Data                                                                                                                                                                                                                                     |                                                                                                                                                                                                               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Western Blot analysis of Mouse brain and liver tissue using SPHK2 Polyclonal Antibody at dilution of 1:200</p> <p><b>Calculated-MW: 69 kDa</b></p> |  <p>Immunohistochemistry of paraffin-embedded Human thyroid cancer using SPHK2 Polyclonal Antibody at dilution of 1:60</p> |

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

| Background                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>This gene encodes one of two sphingosine kinase isozymes that catalyze the phosphorylation of sphingosine into sphingosine 1-phosphate. Sphingosine 1-phosphate mediates many cellular processes including migration, proliferation and apoptosis, and also plays a role in several types of cancer by promoting angiogenesis and tumorigenesis. The encoded protein may play a role in breast cancer proliferation and chemoresistance. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.</p> |