# antibodies -online.com





## anti-PLCB3 antibody (pSer537)

2 Images



Go to Product page

| O | :     |
|---|-------|
|   | view  |
|   | VICVV |

| Overview             |  |
|----------------------|--|
| Quantity:            | 100 μL   |
| Target:              | PLCB3  |
| Binding Specificity: | AA 503-552, pSer537  |
| Reactivity:          | Human, Rat, Mouse  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This PLCB3 antibody is un-conjugated   |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC), ELISA                                 |
| Product Details      |  |
| Immunogen:           | The antiserum was produced against synthesized peptide derived from human PLC beta3      |
|                      | around the phosphorylation site of Ser537.   |
| Isotype:             | IgG  |
| Specificity:         | PLC beta3 (Phospho-Ser537) Antibody detects endogenous levels of PLC beta3 only when     |
|                      | phosphorylated at Ser537.  |
|                      | PhosphorylationH:S537 M:S537 R:S535  |
| Purification:        | The antibody was purified from rabbit antiserum by affinity-chromatography using phospho |
|                      | peptide. The antibody against non-phospho peptide was removed by chromatography using    |
|                      | corresponding non-phospho peptide.   |
| Purity:              | > 95 %   |

### **Target Details**

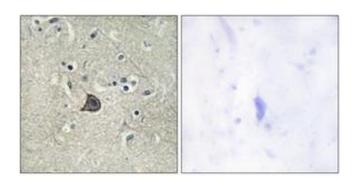
| Target:           | PLCB3   |
|-------------------|---|
| Alternative Name: | PLC Beta3 (PLCB3 Products)  |
| Background:       | Synonyms: 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase beta 3, Phosphoinositide phospholipase C, Phospholipase C-beta-3, PLC-beta-3, PLCB3 NCBI Gene Symbol: PLCB3 |
| Molecular Weight: | 138 kDa   |
| Gene ID:          | 5331  |
| OMIM:             | 600230  |
| UniProt:          | Q01970  |
| Pathways:         | WNT Signaling, Thyroid Hormone Synthesis, Myometrial Relaxation and Contraction, CXCR4-mediated Signaling Events, G-protein mediated Events                                     |

## **Application Details**

| Application Notes: | WB: 1:500~1:1000 IHC: 1:50~1:100 ELISA: 1:10000     |
|--------------------|---|
| Comment:           | Unigene-Number: Hs.591953 (NCBI Gene Symbol: PLCB3) |
| Restrictions:      | For Research Use only                               |

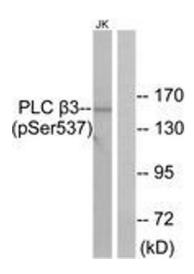
### Handling

| Format:            | Liquid   |
|--------------------|--|
| Concentration:     | 1 mg/mL  |
| Buffer:            | phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.         |
| Preservative:      | Sodium azide   |
| Precaution of Use: | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage:           | -20 °C   |
| Storage Comment:   | Stable at -20°C for at least 1 year.   |
| Expiry Date:       | 12 months  |



#### **Immunohistochemistry**

**Image 1.** Immunohistochemistry analysis of paraffinembedded human brain, using PLC beta3 (Phospho-Ser537) Antibody. The picture on the right is treated with the synthesized peptide.



#### **Western Blotting**

**Image 2.** Western blot analysis of extracts from Jurkat cells treated with UV 15', using PLC beta3 (Phospho-Ser537) Antibody. The lane on the right is treated with the synthesized peptide.