

## Anti-PLCB3 Antibody (3X276)

### Product Details

Ig Type:	IgG1, Kappa
Reactivity:	Human
Molecular Weight:	Actual: 150 kDa.
Clone:	3X276
Purification:	Protein G purified

### Applications

Verified Activity:	<p>1. Blocking buffer: 5% NFDM/TBST Primary ab dilution: 1:1000 Primary ab incubation condition: 2 hours at room temperature Secondary ab: Goat Anti-Mouse IgG H&amp;L (HRP) Lysate: 1: HeLa, 2: 293T, 3: F9 Protein loading quantity: 20 µg Exposure time: 3 s Predicted MW: 150 kDa Observed MW: 150 kDa</p> <p>2. 25 µg total protein per lane of various lysates (see on figure) probed with PLCB3 monoclonal antibody, unconjugated (TMAB-11529) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.</p>
Application:	WB
Recommended	WB: 1:500-2000

### Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

### Antigen Details

Gene ID:	5331
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### Research Background

The protein encoded by this gene catalyzes the formation of inositol 1,4,5-trisphosphate and diacylglycerol from phosphatidylinositol 4,5-bisphosphate. This reaction uses calcium as a cofactor and plays an important role in the intracellular transduction of receptor-mediated tyrosine kinase activators. For example, when activated by SRC, the encoded protein causes the Ras guanine nucleotide exchange factor RasGRP1 to translocate to the Golgi, where it activates Ras. Also, this protein has been shown to be a major substrate for heparin-binding growth factor 1 (acidic fibroblast growth factor)-activated tyrosine kinase. Two transcript variants encoding different isoforms have been found for this gene.

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