

## Anti-PLBL2/PLBD2 Antibody (7L79)

### Product Details

Ig Type:	Mouse IgG1
Reactivity:	Chinese hamster
Conjugation:	Unconjugated
Clone:	7L79
Purification:	Protein A

### Applications

Application:	ELISA,ELISA(Cap)
Recommended	ELISA: 1:1000-1:2000

### 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. Preservative-Free.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen:	Recombinant Protein: Chinese hamster PLBL2/PLBD2 Protein (TMPY-06116)
Antigen Species:	Chinese hamster
Synonyms:	phospholipase B domain containing 2

### Research Background

PLBD2 localizes to the lysosome, as its absence could plausibly lead to a serious yet unrecognized lysosomal storage disease. PLBD1 and PLBD2 are semi-orphans in the sense of being probable phospholipases of B class but with uncertain physiological substrates and thus functionalities. PLBD1 and PLBD2 constitute a small gene family (sequence homology class) within vertebrates though one that occurs expanded in some early diverging eukaryotes. PLBD2 presents a special difficulty in that a sequence of post-translational steps are apparently necessary for its activation. Without these, potential substrates can hardly be assayed. These steps include removal of the signal peptide, mannosylation appropriate to the lysosome targeting receptor, and self-catalytic proteolytic activation to expose the substrate binding site as this becomes appropriate.

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