Data Sheet (Cat.No.TMAC-03378)

Anti-Phospho-PLD2 (Tyr169) Polyclonal Antibody

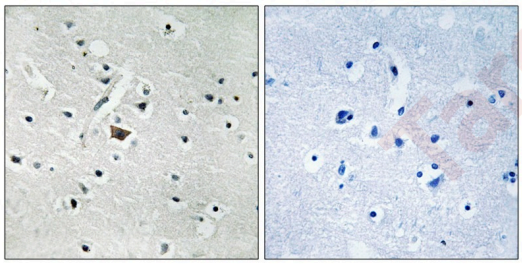
Product Details

Ig Type:	IgG
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Actual: 95 kDa.
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.

Applications

Verified Activity:

1. Western blot analysis of extracts from Jurkat cells treated with TNF using PLD2 (Phospho-Tyr169) Antibody TMAC-03378. The lane on the right is treated with the antigen-specific peptide.
2. Immunohistochemical analysis of paraffin-embedded human brain tissue using PLD2 (Phospho-Tyr169) antibody TMAC-03378 (left) or the same antibody preincubated with blocking peptide (right).



Application:	IHC,WB
Recommended	WB: 1:500-1000; IHC: 1:50-100

Properties

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

Antigen Details

Immunogen:	Peptide sequence around phosphorylation site of tyrosine 169(E-N-Y(p)-L-N) derived from Human PLD2
Antigen Species:	human
Uniprot ID:	O14939
Synonyms:	p-PLD2 (Tyr169);PLD2 (p-Tyr169);PLD2 (p-Y169);p-PLD2 (Y169)

Research Background

Phosphatidylcholine (PC)-specific phospholipases D (PLDs) catalyze the hydrolysis of PC to produce phosphatidic acid and choline. Activation of PC-specific PLDs occurs as a consequence of agonist stimulation of both tyrosine kinase and G protein-coupled receptors. PC-specific PLDs have been proposed to function in regulated secretion, cytoskeletal reorganization, transcriptional regulation, and cell cycle control.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481