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Datasheet for ABIN7269353

## anti-Phospholipase D4 antibody (AA 52-200)

### 1 Image

#### Overview

Quantity:	100 µL
Target:	Phospholipase D4 (PLD4)
Binding Specificity:	AA 52-200
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Phospholipase D4 antibody is un-conjugated
Application:	Western Blotting (WB)

#### Product Details

Purpose:	PLD4 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 52-200 of human PLD4 (NP_620145.2).
Sequence:	WQVPRPPTWG QVQPKDVPRS WEHGSSPAWE PLEAEARQQR DSCQLVLVES IPQDLPSAAG SPSAQLGQA WLQLLDTAQE SVHVASYYWS LTGPDIGVND SSSQLGEALL QKLQQLGRN ISLAVATSSP TLARTSTDLQ VLAARGAHV
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

## Target Details

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Target:	Phospholipase D4 (PLD4)
Alternative Name:	PLD4 ( <a href="#">PLD4 Products</a> )
Background:	5'->3' DNA exonuclease which digests single-stranded DNA (ssDNA). Regulates inflammatory cytokine responses via the degradation of nucleic acids, by reducing the concentration of ssDNA able to stimulate TLR9, a nucleotide-sensing receptor. Involved in phagocytosis of activated microglia.,PLD4,C14orf175,Signal Transduction,Endocrine & Metabolism,Lipid Metabolism,Hydrolysis,Lipases,Cardiovascular,Lipids,PLD4
Molecular Weight:	55kDa
Gene ID:	122618
UniProt:	<a href="#">Q96BZ4</a>

## Application Details

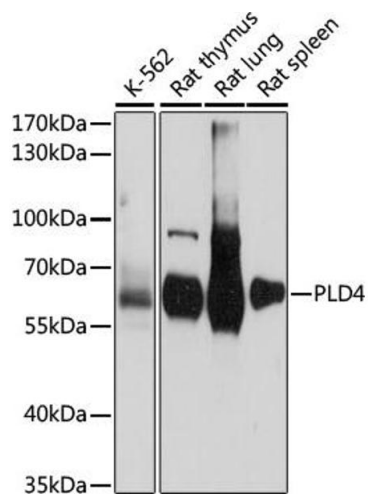
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Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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:	Store at -20°C. Avoid freeze / thaw cycles.



### Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines, using PLD4 antibody (ABIN7269353) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 15s.