

## Product datasheet for **AP31909PU-N**

### PLA2G5 (C-term) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	<b>ELISA.</b> <b>Western Blot.</b>
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide derived from C terminal part of Human PLA2G5 protein.
Specificity:	This antibody reacts with the 16 kDa Human PLA2G5 protein.
Formulation:	0.1M Tris, 0.1M Glycine, 2% Sucrose State: Purified State: Lyophilized powder Preservative: None
Reconstitution Method:	Restore in distilled water
Purification:	Protein A Chromatography
Conjugation:	Unconjugated
Storage:	Lyophilized powder stable for a minimum of 2 years at -20°C. Store reconstituted antibody at 2-4°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: Six months from despatch.
Database Link:	<a href="#">Entrez Gene 5322 Human P39877</a>



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**Background:**

Secretory phospholipase A2 Type V (PLA2) catalyzes the hydrolysis of fatty acids at the sn-2 position of glycerophospholipids and is one of the isoforms in the growing list of the PLA2 enzyme family. This enzyme, rather than sPLA2 (Type II), is responsible for arachidonic acid mobilization leading to prostaglandin production in macrophages and mast cells. Consistent with this role, sPLA2 (Type V) is associated with the golgi apparatus, nuclear envelope, and plasma membrane in murine bone marrow-derived mast cells. sPLA2 (Type V) has been cloned from a variety of species including human, mouse and rat. The enzyme is expressed in heart, lung, placenta and spleen, as well as P388D1 macrophages and mast cells.

**Synonyms:**

Phosphatidylcholine 2-acylhydrolase, PLA2-10, Group V phospholipase A2