

## Product datasheet for **TA362189**

### PLA2G3 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human PLA2G3
Specificity:	<b>Expected reactivity:</b> Human
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	55 kDa
Gene Name:	phospholipase A2 group III
Database Link:	<a href="#">NP_056530.2</a> <a href="#">Entrez Gene 50487 Human</a> <a href="#">Q9NZ20</a>



[View online »](#)

**Background:**

This gene encodes a protein that belongs to the secreted phospholipase A2 family, whose members include the bee venom enzyme. The encoded enzyme functions in lipid metabolism and catalyzes the calcium-dependent hydrolysis of the sn-2 acyl bond of phospholipids to release arachidonic acid and lysophospholipids. This enzyme acts as a negative regulator of ciliogenesis, and may play a role in cancer development by stimulating tumor cell growth and angiogenesis. This gene is associated with oxidative stress, and polymorphisms in this gene are linked to risk for Alzheimer's disease.

**Synonyms:**

GIII-SPLA2; sPLA2-III; SPLA2III

**Protein Families:**

Druggable Genome, Secreted Protein

**Protein Pathways:**

alpha-Linolenic acid metabolism, Arachidonic acid metabolism, Ether lipid metabolism, Fc epsilon RI signaling pathway, Glycerophospholipid metabolism, GnRH signaling pathway, Linoleic acid metabolism, Long-term depression, MAPK signaling pathway, Metabolic pathways, Vascular smooth muscle contraction, VEGF signaling pathway

**Product images:**

Host: Rabbit  
Target Name: PLA2G3  
Sample Type: HepG2 Cell Lysate  
Antibody Dilution: 1.0µg/ml

Host: Rabbit  
Target Name: PLA2G3  
Sample Tissue: Human HepG2 Whole Cell lysates  
Antibody Dilution: 1ug/ml