

### **Product datasheet for TA803175**

#### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

# Calcium independent Phospholipase A2 (PLA2G6) Mouse Monoclonal Antibody [Clone ID: OTI10G4]

#### **Product data:**

**Product Type:** Primary Antibodies

Clone Name: OTI10G4

Applications: WB

Recommended Dilution: WB 1:2000

Reactivity: Human, Mouse, Rat

Host: Mouse Isotype: IgG1

Clonality: Monoclonal

**Immunogen:** Human recombinant protein fragment corresponding to amino acids 490-752 of human

PLA2G6 (NP 001004426) produced in E.coli.

**Formulation:** PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.

Concentration: 1 mg/ml

**Purification:** Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography

(protein A/G)

Conjugation: Unconjugated

Storage: Store at -20°C as received.

**Stability:** Stable for 12 months from date of receipt.

**Gene Name:** phospholipase A2 group VI

Database Link: NP 001004426

Entrez Gene 53357 MouseEntrez Gene 360426 RatEntrez Gene 8398 Human

060733

**Background:** The protein encoded by this gene is an A2 phospholipase, a class of enzyme that catalyzes

the release of fatty acids from phospholipids. The encoded protein may play a role in

phospholipid remodelling, arachidonic acid release, leukotriene and prostaglandin synthesis, fas-mediated apoptosis, and transmembrane ion flux in glucose-stimulated B-cells. Several transcript variants encoding multiple isoforms have been described, but the full-length nature

of only three of them have been determined to date. [provided by RefSeq, Dec 2010]





# Calcium independent Phospholipase A2 (PLA2G6) Mouse Monoclonal Antibody [Clone ID: OTI10G4] – TA803175

Synonyms: Cal-PLA2; GVI; INAD1; iPLA2; IPLA2-VIA; iPLA2beta; NBIA2; NBIA2A; NBIA2B; PARK14; PLA2;

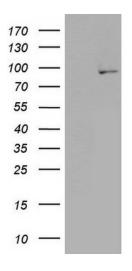
PNPLA9

**Protein Pathways:** alpha-Linolenic acid metabolism, Arachidonic acid metabolism, Ether lipid metabolism, Fc

epsilon RI signaling pathway, Fc gamma R-mediated phagocytosis, 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:**



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY PLA2G6 (Cat# [RC208735], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PLA2G6(Cat# TA803175). Positive lysates [LY400377] (100ug) and [LC400377] (20ug) can be purchased separately from OriGene.