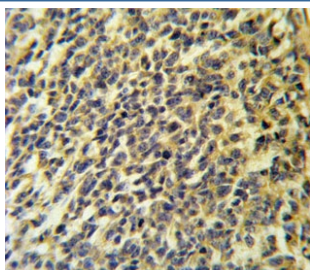


## Cal-PLA2 Antibody / PLA2G6 (F55050)

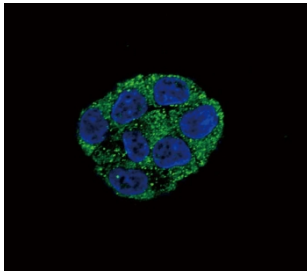
Catalog No.	Formulation	Size
F55050-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F55050-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Purified
<b>UniProt</b>	O60733
<b>Localization</b>	Cell membrane, cytoplasm
<b>Applications</b>	Flow Cytometry : 1:10-1:50 (1x10e6 cells) Immunofluorescence : 1:10-1:50 Immunohistochemistry (FFPE) : 1:10-1:50 Western Blot : 1:500-1:1000
<b>Limitations</b>	This Cal-PLA2 antibody is available for research use only.



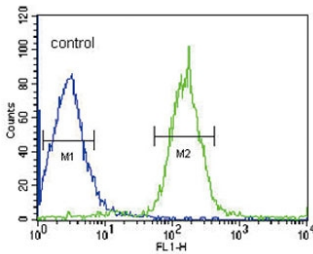
IHC testing of FFPE human testis carcinoma tissue with Cal-PLA2 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Immunofluorescent staining of human HepG2 cells with Cal-PLA2 antibody (green) and DAPI nuclear stain (blue).

kDa  
130  
95  
72  
55

Western blot testing of human HepG2 cell lysate with Cal-PLA2 antibody. Expected molecular weight: 85-90 kDa.



Flow cytometry testing of human HepG2 cells with Cal-PLA2 antibody; Blue=isotype control, Green= Cal-PLA2 antibody.

## Description

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.

## Application Notes

The stated application concentrations are suggested starting points. Titration of the Cal-PLA2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 551-580 from the human protein was used as the immunogen for the Cal-PLA2 antibody.

## Storage

Aliquot the PLA2G6 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.