

Product datasheet for **TA379991**

HRASLS3 (PLA2G16) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB,1:500 - 1:2000
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 68-162 of human PLA2G16 (NP_009000.2).
Formulation:	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	18kDa
Gene Name:	phospholipase A2 group XVI
Database Link:	Entrez Gene 11145 Human P53816



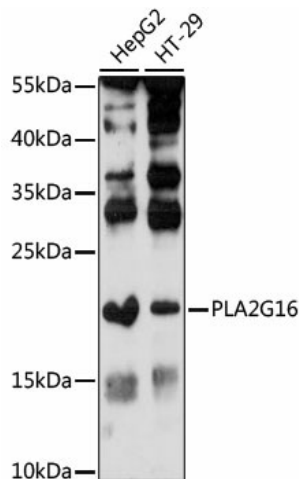
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Background:

Exhibits both phospholipase A1/2 and acyltransferase activities. Shows phospholipase A1 (PLA1 and A2 (PLA2 activity, catalyzing the calcium-independent release of fatty acids from the sn-1 or sn-2 position of glycerophospholipids. For most substrates, PLA1 activity is much higher than PLA2 activity. Shows O-acyltransferase activity, catalyzing the transfer of a fatty acyl group from glycerophospholipid to the hydroxyl group of lysophospholipid. Shows N-acyltransferase activity, catalyzing the calcium-independent transfer of a fatty acyl group at the sn-1 position of phosphatidylcholine (PC and other glycerophospholipids to the primary amine of phosphatidylethanolamine (PE, forming N-acylphosphatidylethanolamine (NAPE, which serves as precursor for N-acylethanolamines (NAEs. Exhibits high N-acyltransferase activity and low phospholipase A1/2 activity. Required for complete organelle rupture and degradation that occur during eye lens terminal differentiation, when fiber cells that compose the lens degrade all membrane-bound organelles in order to provide lens with transparency to allow the passage of light. Organelle membrane degradation is probably catalyzed by the phospholipase activity (By similarity).

Synonyms:

AdPLA; H-REV107-1; HRASLS3; HREV107; HREV107-3; MGC118754

Product images:

Western blot analysis of extracts of various cell lines, using PLA2G16 antibody (TA379991) at 1:1000 dilution. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Enhanced Kit . | Exposure time: 90s.