

Rabbit PLA2G3 Polyclonal Antibody | anti-PLA2G3 antibody

Rabbit Polyclonal to Human PLA2G3

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50686	Rabbit	Bovine, Human, Monkey, Pig Predicted Reactivity: Mouse, Horse, Rabbit	Immunohistochemistry

PRODUCT SYNONYMS

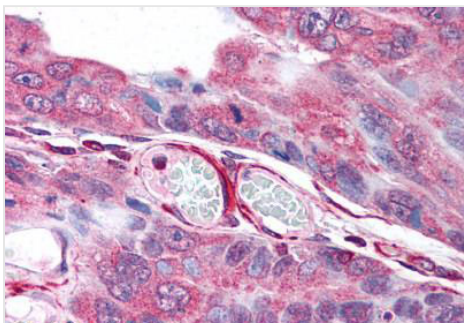
PLA2G3; Polyclonal Antibody; Rabbit Polyclonal to Human PLA2G3; Anti-PLA2G3 Antibody (Internal) IHC-plus; GIII-SPLA2; Phospholipase A2; group III; SPLA2-III; GIII sPLA2; SPLA2III; Human PLA2G3; anti-PLA2G3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Bovine, Human, Monkey, Pig Predicted Reactivity: Mouse, Horse, Rabbit
Clonality	Polyclonal
Specificity	Human PLA2G3. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, 0.1% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	509
Applicable Applications for anti-PLA2G3 antibody	IHC (Immunohistochemistry)
Family/Subfamily	Phospholipase/ not assigned-Phospholipase
Immunogen Type	Synthetic peptide
Immunogen	PLA2G3 antibody was raised against synthetic 12 amino acid peptide from internal region of human PLA2G3. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Bovine, Elephant, Panda, Pig (100%); Mouse, Horse, Rabbit (92%); Bat, Dog, Opossum (83%).
Epitope	Internal
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Preparation and Storage	Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to one month. Avoid freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Anti-PLA2G3 antibody IHC of human colon carcinoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

Related Product Information for anti-PLA2G3 antibody	Human group III secreted phospholipase A2 belongs to a superfamily of intracellular and secreted enzymes that catalyze the hydrolysis of glycerophospholipids at the sn-2 position to release fatty acids and lysophospholipids. Group III PLA2 enzymes were originally identified in invertebrates such as bees and scorpions. Human group III sPLA2 has been shown to be a calcium dependent enzyme.
Product Categories/Family for anti-PLA2G3 antibody	Family: Phospholipase

NCBI AND UNIPROT INFORMATION

NCBI GI #	142976884
NCBI GeneID	50487
NCBI Accession #	NP_056530.2
NCBI GenBank Nucleotide #	NM_015715.4
UniProt Accession #	Q9NZ20 ; O95768
Molecular Weight	57,167 Da
NCBI Official Full Name	group 3 secretory phospholipase A2
NCBI Official Synonym Full Names	phospholipase A2, group III
NCBI Official Symbol	PLA2G3
NCBI Official Synonym Symbols	SPLA2III; sPLA2-III; GIII-SPLA2
NCBI Protein Information	group 3 secretory phospholipase A2; group III secreted phospholipase A2; phosphatidylcholine 2-acylhydrolase 3; phosphatidylcholine 2-acylhydrolase GIII
UniProt Protein Name	Group 3 secretory phospholipase A2
UniProt Gene Name	PLA2G3
UniProt Synonym Gene Names	GIII sPLA2; sPLA2-III
UniProt Entry Name	PA2G3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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