

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## **PLAAT3 RABBIT PAB**

**Cat.#:** S221433

**Product Name:** Anti-PLAAT3 Rabbit Polyclonal Antibody

Synonyms: AdPLA; HRSL3; HRASLS3; HREV107; PLA2G16; PLAAT-3; H-REV107; HREV107-1; HREV107-3; H-

REV107-1

UNIPROT ID: P53816 (Gene Accession - NP\_009000)

**Background:** Exhibits both phospholipase A1/2 and acyltransferase activities (PubMed:19615464, PubMed:19047760, PubMed:22825852, PubMed:22605381, PubMed:26503625). 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 (PubMed:19615464, PubMed:19047760, PubMed:22825852, PubMed:22605381, PubMed:22923616). For most substrates, PLA1 activity is much higher than PLA2 activity (PubMed:19615464). Shows O-acyltransferase activity,catalyzing the transfer of a fatty acyl group from glycerophospholipid to the hydroxyl group of lysophospholipid (PubMed:19615464). 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) (PubMed:19615464, PubMed:19047760, PubMed:22825852, PubMed:22605381). Exhibits high N-acyltransferase activity and low phospholipase A1/2 activity (PubMed:22825852).

Immunogen: Synthetic peptide of human PLAAT3

Applications: ELISA, IHC

**Recommended Dilutions:** IHC: 25-100; ELISA: 5000-10000

Host Species: Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG **Purification:** Antigen affinity purification **Species Reactivity:** Human, Mouse, Rat

Constituents: PBS (without Mg2+ and Cg2+), pH 7.4, 150 mM NgCl, 0.05% Sodium Azide and 40%

glycerol

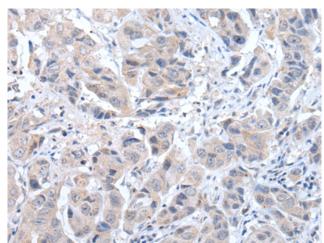
Research Areas: Cancer

Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing

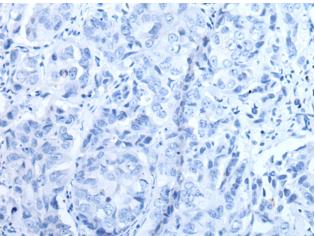


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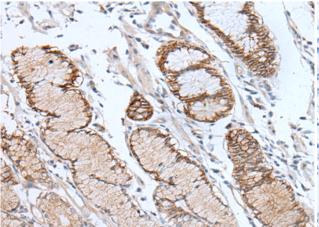
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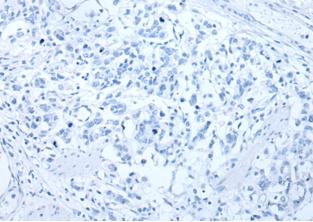
Immunohistochemistry analysis of paraffin embedded Human breast cancer tissue using 221433(PLAAT3 Antibody) at a dilution of 1/25(Cytoplasm or Cell membrane).



In comparision with the IHC on the left, the same paraffin-embedded Human breast cancer tissue is first treated with the synthetic peptide and then with 221433 (Anti-PLAAT3 Antibody) at dilution 1/25.



The image on the left is immunohistochemistry of paraffinembedded Human gastric cancer tissue using 221433 (Anti-PLAAT3 Antibody) at a dilution of 1/25.



In comparision with the IHC on the left, the same paraffin-embedded Human gastric cancer tissue is first treated with synthetic peptide and then with D263023(Anti-PLAAT3 Antibody) at dilution 1/25.