

## Product datasheet for **TA350732**

### AGPAT7 (LPCAT4) Rabbit Polyclonal Antibody

#### Product data:

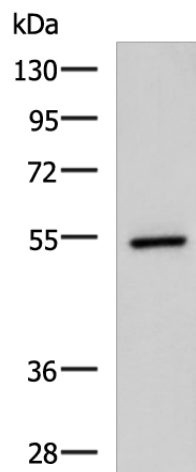
Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: PC-3 cell lysate IHC: 20-100 Positive control: Human colorectal cancer Predicted cell location: Nucleus and Cytoplasm
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human LPCAT4
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	57 kDa
Gene Name:	lysophosphatidylcholine acyltransferase 4
Database Link:	<a href="#">NP_705841</a> <a href="#">Entrez Gene 254531 Human</a> <a href="#">Q643R3</a>
Background:	Members of the 1-acylglycerol-3-phosphate O-acyltransferase (EC 2.3.1.51) family, such as AGPAT7, catalyze the conversion of lysophosphatidic acid (LPA) to phosphatidic acid (PA), a precursor in the biosynthesis of all glycerolipids. Both LPA and PA are involved in signal transduction
Synonyms:	AGPAT7; AYTL3; LPAAT-eta; LPEAT2



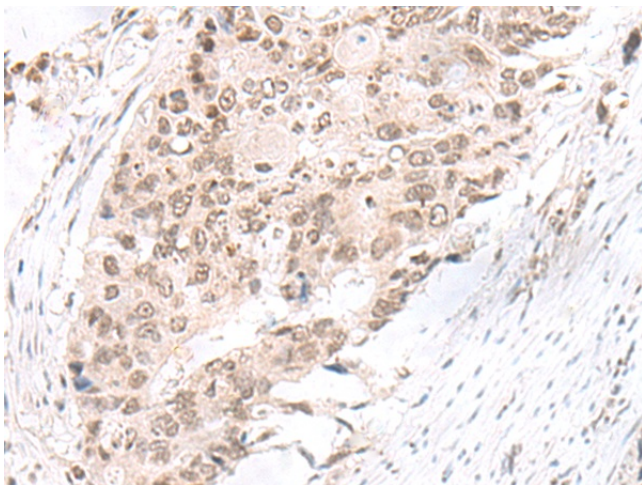
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Protein Families: Transmembrane

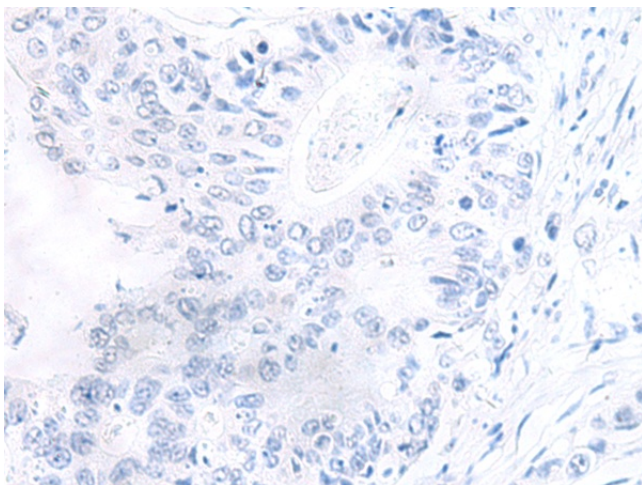
### Product images:



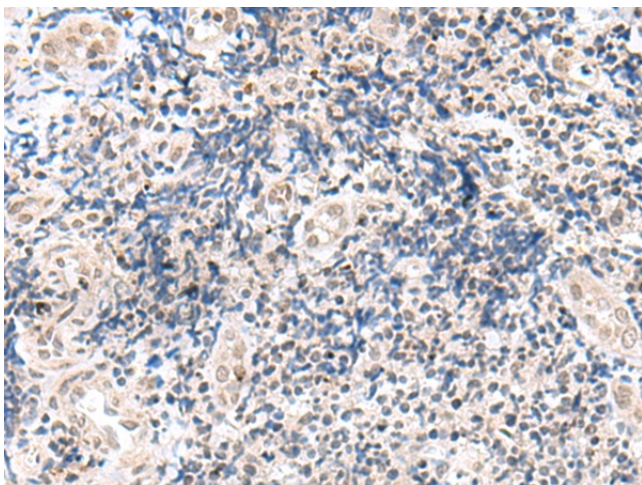
Gel: 8%SDS-PAGE  
Lysate: 40  $\mu$ g  
Lane: PC-3 cell lysate  
Primary antibody: TA350732 (LPCAT4 Antibody) at dilution 1/200  
Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution  
Exposure time: 30 seconds



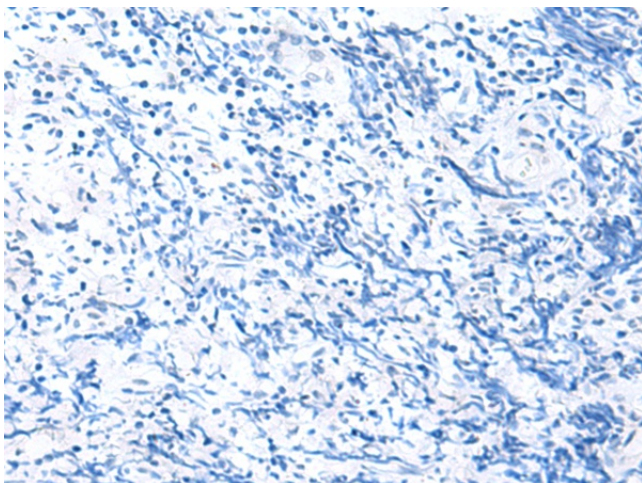
Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using TA350732 (LPCAT4 Antibody) at dilution 1/30 (Original magnification:  $\times$ 200)



Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using TA350732 (LPCAT4 Antibody) at dilution 1/30, treated with synthetic peptide. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human tonsil tissue using TA350732 (LPCAT4 Antibody) at dilution 1/30 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human tonsil tissue using TA350732 (LPCAT4 Antibody) at dilution 1/30, treated with synthetic peptide. (Original magnification: ×200)