

Anti-ACSL3 Rabbit pAb

Purified Rabbit Polyclonal Antibody

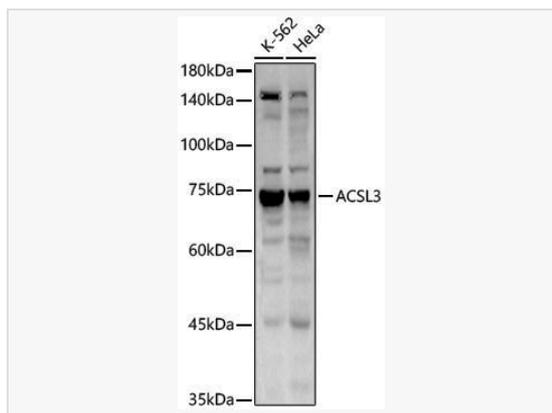
Catalog # P100828

Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:1,000; IHC-P 1:50~1:200
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 621-720 of human ACSL3 (NP_004448.2).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-ACSL3 Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	ACS3; FAFL3; LACS3; LACS 3; PRO2194; ACSL3.
Calculated MW	Calculated MW: 80 kDa; Observed MW: 76 kDa
Uniprot ID	O95573
Gene ID	2181
Background	The protein encoded by this gene is an isozyme of the long-chain fatty-acid-coenzyme A ligase family. Although differing in substrate specificity, subcellular localization, and tissue distribution, all isozymes of this family convert free long-chain fatty acids into fatty acyl-CoA esters, and thereby play a key role in lipid biosynthesis and fatty acid degradation. This isozyme is highly expressed in brain, and preferentially utilizes myristate, arachidonate, and eicosapentaenoate as substrates. The amino acid sequence of this isozyme is 92% identical to that of rat homolog. Two transcript variants encoding the same protein have been found for this gene.



Western blot analysis of various lysates using ACSL3 Rabbit pAb (P100828) at 1:1,000 dilution.

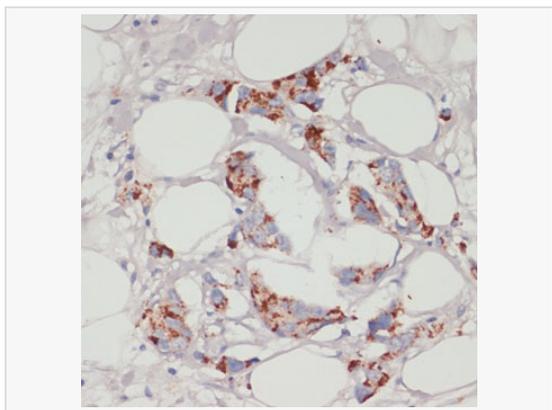
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.

Lysates/proteins: 25 μ g per lane.

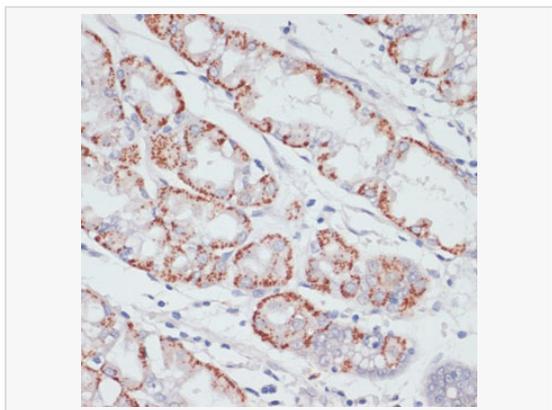
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Kit.

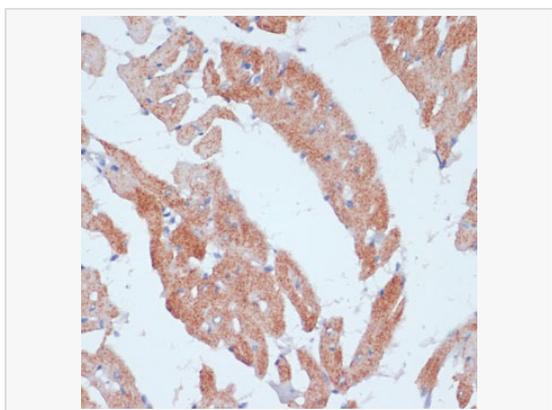
Exposure time: 10s.



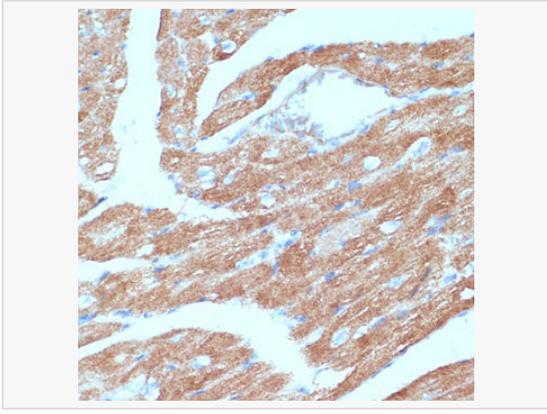
Immunohistochemistry analysis of paraffin-embedded Human mammary cancer using ACSL3 Rabbit pAb (P100828) at dilution of 1:100 (40 \times lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human stomach using ACSL3 Rabbit pAb (P100828) at dilution of 1:100 (40 \times lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat heart using ACSL3 Rabbit pAb (P100828) at dilution of 1:100 (40 \times lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse heart using ACSL3 Rabbit pAb (P100828) at dilution of 1:100 (40× lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.