

APOC4 polyclonal antibody

Catalog: BS60500

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

Apolipoproteins are protein components of plasma lipoproteins (1). The apolipoprotein C gene family encodes four homologous proteins designated apoC-I to -IV, which specifically modulate the metabolism of triglyceride-rich lipoproteins (2). The human apoC-I gene maps to chromosome 19q13.2 and is expressed primarily in the liver where it is activated when monocytes differentiate into macrophages (3,4). The human apoC-II gene maps to chromosome 19q13.2 and encodes a 79 amino acid single chain protein that is a necessary cofactor for the activation of lipoprotein lipase, the enzyme that hydrolyzes triglycerides in plasma and transfers the fatty acids to tissues (5-7). The human apoC-III gene maps to chromosome 11q23 and encodes a protein that may delay catabolism of triglyceride-rich particles by inhibiting lipoprotein lipase and hepatic lipase (8). The human apoC-IV gene maps to chromosome 19q13.2 and encodes a 127 amino acid protein that is primarily expressed in the liver (9,10).

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.13.

Molecular Weight:

~ 15 kDa

Swiss-Prot:

P55056

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 105% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

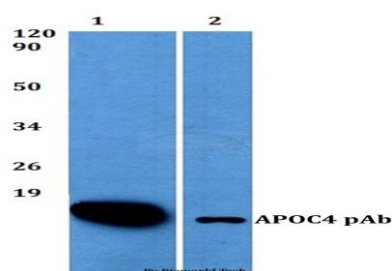
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -30 °C long term. Avoid freeze-thaw cycles.

Specificity:

APOC4 polyclonal antibody detects endogenous levels of APOC4 protein.

DATA:

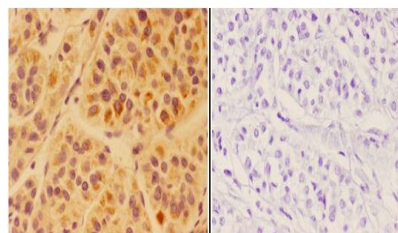


Western blot (WB) analysis of APOC4 polyclonal antibody at 1:500 dilution

Lane1:HEK293T whole cell lysate

Lane2:sp2/0 whole cell lysate

Lane3:H9C12 whole cell lysate



BS60500
Lot:CN45141

Immunohistochemistry (IHC) analyzes of APOC4 pAb in paraffin-embedded human liver carcinoma tissue at 1:50, showing secreted staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.

Note:

For research use only, not for use in diagnostic procedure.

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