

Rabbit Anti-phospho-FABP4 (Tyr20)/AP Conjugated antibody

SL13063R-AP

Product Name	Anti-phospho-FABP4 (Tyr20)/AP
Chinese Name	碱性磷酸酶 (AP) 标记的磷酸化脂肪细胞型脂肪酸 Binding protein FABP4 (phospho Y20); FABP4 (phospho Tyr20); p-FABP4 (Y20); p-FABP4 (Tyr20); adipocyte; 3T3-L1 lipid-binding protein; 422/aP2; A FABP; A-FABP; Adipocyte lipid binding protein; Adipocyte lipid-binding protein; Adipocyte protein AP2; Adipocyte-type fatty acid-binding protein; AFABP; ALBPv ALBP/Ap2; aP2; FABP; FABP4; FABP4_HUMAN; Fatty acid binding protein 4 adipocyte; Fatty acid binding protein 4; Fatty acid binding protein adipocyte; Fatty acid-binding protein 4; Fatty acid-binding protein; Lbpl; Myelin P2 protein homolog; P15v P2 adipocyte protein; Protein 422.
Alias	
Product Type	Phosphorylated anti
Research Area	Tumour immunology Growth factors and hormones transcriptional regulatory factor Binding protein
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human,Mouse,Rat,Dog,Pig,Cow,Rabbit,Sheep) ELISA=1:500-5000
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	14.6kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthesised phosphopeptide derived from human FABP4 around the phosphorylation site of Tyr20
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and

for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

background:

FABP4 encodes the fatty acid binding protein found in adipocytes. Fatty acid binding proteins are a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids and other hydrophobic ligands. It is thought that FABPs roles include fatty acid uptake, transport, and metabolism. [provided by RefSeq].

Function:

Lipid transport protein in adipocytes. Binds both long chain fatty acids and retinoic acid. Delivers long-chain fatty acids and retinoic acid to their cognate receptors in the nucleus.

Subunit:

Monomer. Homodimer. Interacts with PPARG.

Product Detail

Subcellular Location:

Cytoplasm. Nucleus. Note=Depending on the nature of the ligand, a conformation change exposes a nuclear localization motif and the protein is transported into the nucleus. Subject to constitutive nuclear export.

Similarity:

Belongs to the calycin superfamily.
Fatty-acid binding protein (FABP) family.

Database links:

UniProtKB/Swiss-Prot: P15090.3

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.