



Rabbit Anti-phospho-FABP4 (Tyr20) antibody

SL13063R

Product Name:	phospho-FABP4 (Tyr20)
Chinese Name:	磷酸化脂肪细胞型脂肪酸Binding protein
Alias:	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.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	14.6kDa
Cellular localization:	The nucleuscyttoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthesised phosphopeptide derived from human FABP4 around the phosphorylation site of Tyr20:DD(p-Y)MK
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% 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 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

PubMed:[PubMed](#)

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.

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.

Product Detail:**SWISS:**

P15090

Gene ID:

2167

Database links:

[Entrez Gene: 2167](#)Human

[Entrez Gene: 11770](#)Mouse

[Entrez Gene: 79451](#)Rat

[Omim: 600434](#)Human

[SwissProt: P15090](#)Human

[SwissProt: P04117](#)Mouse

[SwissProt: P70623](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human,

	therapeutic or diagnostic applications.
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