For Research Use Only

Fabp4 Polyclonal antibody

Catalog Number:51035-1-AP 2 Publications

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Basic Information

Catalog Number:
51035-1-AP

Size:
150ul , Concentration: 133 μg/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG0712

GenBank Accession Number:
BC054426

GeneID (NCBI):
11770

Full Name:
fatty acid binding protein 4, adipocyte

Calculated MW:
15 kDa

Observed MW:
15 kDa

Purification Method:
Antigen affinity purification

Applications

Tested Applications:
ELISA

Cited Applications:
IF, WB

Species Specificity:
human, mouse, rat

Cited Species:
mouse, pig

Background Information

Fatty acid binding protein (FABP) 4 is a member of the FABP family which abundantly expressed, fatty acid carrier proteins. FABPs are capable of binding a variety of hydrophobic molecules such as long-chain fatty acids and are important for their uptake and intracellular trafficking. It was first identified as an adipocyte-specific protein, important for the maintenance of lipid and glucose metabolism. It is also detected in macrophages, where it participates in regulating inflammation and cholesterol trafficking via NFκB and PPAR. In more recent studies, FABP4 has been found in a variety of endothelial cells, where it has been identified as a target of VEGF and a regulator of cell proliferation and possibly angiogenesis. Pathologically, FABP4 has been associated with the development of metabolic syndrome, diabetes and cancer and vulnerability of atherosclerotic plaques. FABP4 has been identified as a novel prognostic factor for both adverse cardiovascular events and breast cancer.

Notable Publications

Author	Pubmed ID	Journal	Application
H Liu	30958881	J Anim Sci	WB
Daniel Kopinke	28709001	Cell	IF

Storage

Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

For technical support and original validation data for this product please contact:
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Selected Validation Data