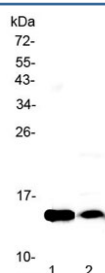


## Fabp4 Antibody (R32902)

Catalog No.	Formulation	Size
R32902	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	P70623
Applications	Western Blot : 0.5-1ug/ml ELISA : 0.1-0.5ug/ml
Limitations	This Fabp4 antibody is available for research use only.



Western blot testing of 1) rat heart and 2) mouse heart lysate with Fabp4 antibody at 0.5ug/ml. Predicted molecular weight ~15 kDa.

## Description

Fatty acid binding proteins (FABPs) are small cytoplasmic proteins that are expressed in a highly tissue-specific manner and bind to fatty acids such as oleic and retinoic acid. Adipocyte fatty-acid-binding protein, aP2 (FABP4) is expressed in adipocytes and macrophages, and integrates inflammatory and metabolic responses. Studies in aP2-deficient mice have shown that this lipid chaperone has a significant role in several aspects of metabolic syndrome, including type 2 diabetes and atherosclerosis. It regulates allergic airway inflammation and may provide a link between fatty acid metabolism and asthma.

## Application Notes

Optimal dilution of the Fabp4 antibody should be determined by the researcher.

## Immunogen

A recombinant rat protein corresponding to amino acids C2-A132 was used as the immunogen for the Fabp4 antibody.

## Storage

After reconstitution, the Fabp4 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.