

# Rabbit anti-human FABP4 Polyclonal Antibody

Catalog Number: R16008P

General Information	
<b>Immunogen</b>	Recombinant protein of human FABP4
<b>IgG type</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Specificity</b>	human FABP4
<b>Applications &amp; dilution</b>	WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200
<b>Formulation</b>	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
<b>Purity</b>	≥95% purity by SDS-PAGE
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles.
<b>Abbreviation:</b> ELISA: Enzyme-linked immunosorbent assay; ITA: immunoturbidimetric assay; IP: immunoprecipitation; IHC: immunohistochemistry; IF: immunofluorescence. WB: western blot; FC: flowcytometry	

## Background

Fatty acid binding proteins (FABPs) bind to fatty acids and other lipids to function as cytoplasmic lipid chaperones. They participate in the transport of fatty acids and other lipids to various cellular pathways. The predominant fatty acid binding protein found in adipocytes is FABP4, also called adipocyte fatty acid binding protein or aP2. FABP4 is also expressed in macrophages. FABP4 knockout mice fed a high-fat and high-calorie diet become obese but develop neither insulin resistance nor diabetes, suggesting that this protein might be a link between obesity and insulin resistance and diabetes. Mice deficient in both FABP4 and ApoE show protection against atherosclerosis when compared with mice deficient only in ApoE. Mice carrying a FABP4 genetic variant exhibit both reduced FABP4 expression and a reduced potential for developing type 2 diabetes and coronary heart disease. A related study in humans indicated a similar pattern, suggesting that FABP4 may be a potential therapeutic target in the treatment of these disorders.

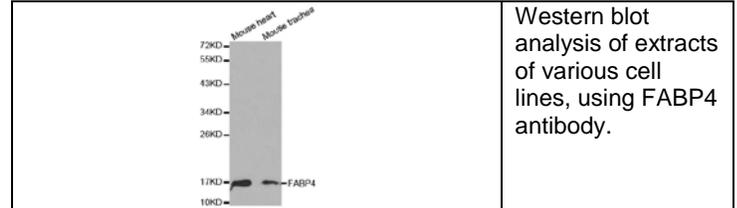
**For research use only**

## Preparation

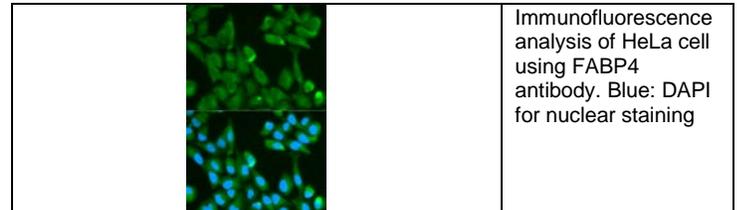
Polyclonal antibody is produced by immunizing rabbit with human FABP4 protein and purified using protein A resin.

## Applications

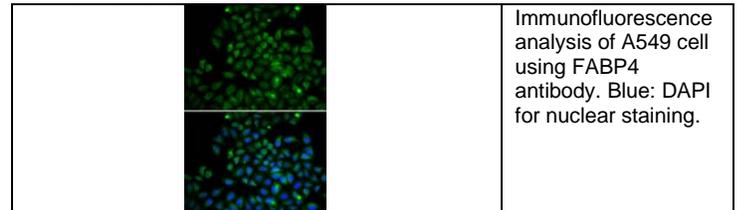
### Western blot



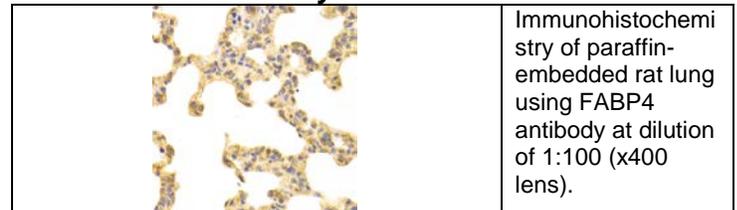
### Immunofluorescence



### Immunofluorescence



### Immunohistochemistry



## Storage

This antibody is shipped at 4 °C. This product is stable for 12 months from date of receipt when stored at -20 °C to -70 °C. Avoid freeze/thaw cycles.

## Hazard/Biohazard

This antibody contains 0.02% sodium azide as preservative. Please handle and dispose the product properly. No known biohazard is associated with this product.