

## Anti-FABP4 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

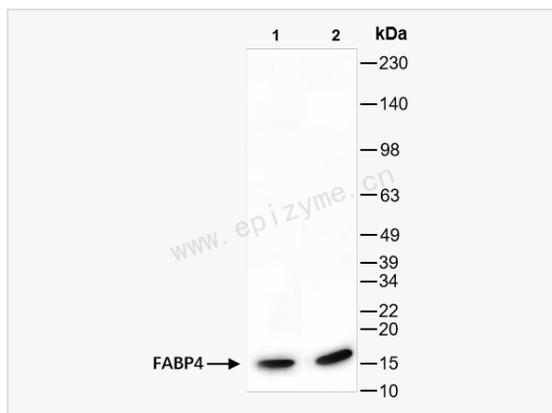
Catalog # R015331

### Product Information

Application	WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA
Reactivity	Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	27P05M30
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human FABP4
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-FABP4 Rabbit mAb [27P05M30] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

Synonyms	3T3-L1 lipid-binding protein; 422/aP2; A-FABP; adipocyte; Adipocyte lipid binding protein; Adipocyte lipid-binding protein; Adipocyte protein AP2; Adipocyte-type fatty acid-binding protein; AFABP; ALBP; ALBP/Ap2; aP2; Epididymis secretory protein Li 104; 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; HEL S 104; Lbpl; Myelin P2 protein homolog; P15; P2 adipocyte protein; Protein 422.
Calculated MW	Calculated MW: 15 kDa; Observed MW: 15 kDa
Uniprot ID	P15090
Gene ID	2167
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, Jul 2008]
Cellular Location	Cytoplasm. Nucleus. 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.



Western Blot - Anti-FABP4 Rabbit mAb [27P05M30]

All lanes: R015331 at 1:1,000 dilution

Lane 1: Mouse heart whole tissue lysates

Lane 2: Rat heart whole tissue lysates

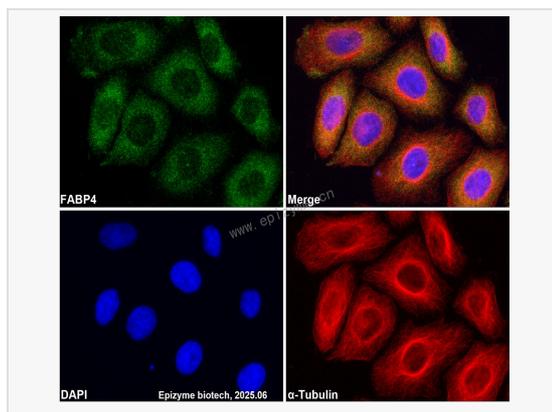
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 15 kDa

Observed band size: 15 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-FABP4 Rabbit mAb [27P05M30]

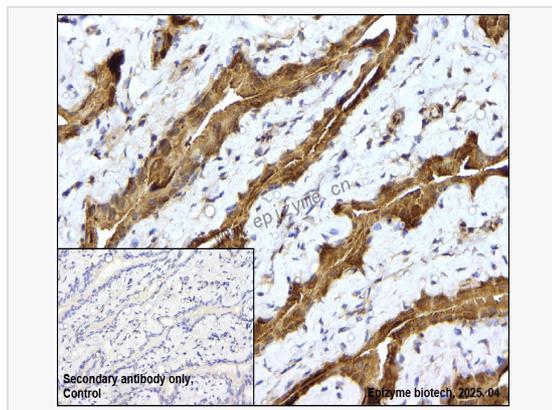
Sample: HeLa cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R015331 at 1:100 dilution and  $\alpha$ -tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).



Immunohistochemistry - Anti-FABP4 Rabbit mAb [27P05M30]

Sample: Paraformaldehyde-fixed, paraffin embedded rat bladder tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R015331 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution  
DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.