

FABP4 Antibody
Mouse Monoclonal Antibody (Mab)
Catalog # AM2235B

Specification

FABP4 Antibody - Product Information

Application	WB, IHC-P,E
Primary Accession	P15090
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	14719
Antigen Region	1-132

FABP4 Antibody - Additional Information

Gene ID 2167

Other Names

Fatty acid-binding protein, adipocyte, Adipocyte lipid-binding protein, ALBP, Adipocyte-type fatty acid-binding protein, A-FABP, AFABP, Fatty acid-binding protein 4, FABP4

Target/Specificity

Purified His-tagged FABP4 protein was used to produced this monoclonal antibody.

Dilution

WB~~1:1000

IHC-P~~1:25

Format

Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

FABP4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

FABP4 Antibody - Protein Information

Name FABP4

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.

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:P04117}. Nucleus {ECO:0000250|UniProtKB:P04117}.

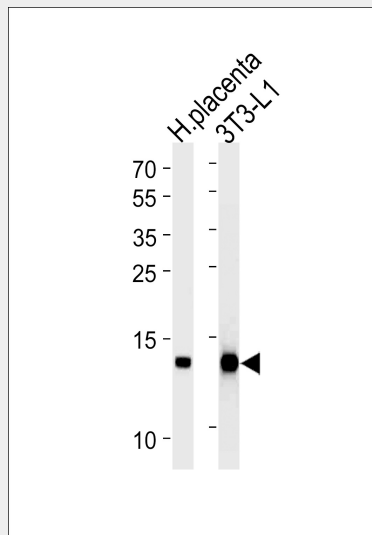
Note=Depending on the nature of the ligand, a conformation change exposes a nuclear localization motif and the protein is transported into the nucleus. Subject to constitutive nuclear export. {ECO:0000250|UniProtKB:P04117}

FABP4 Antibody - Protocols

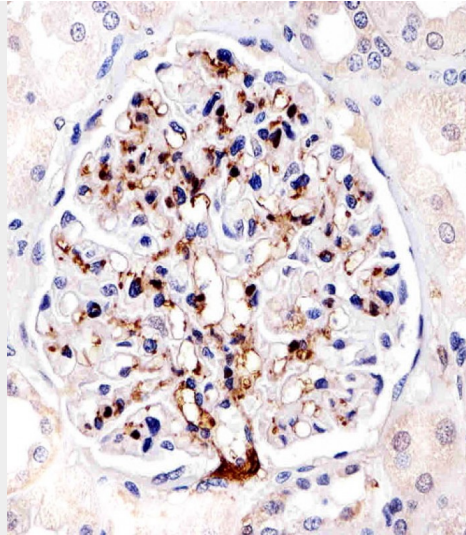
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

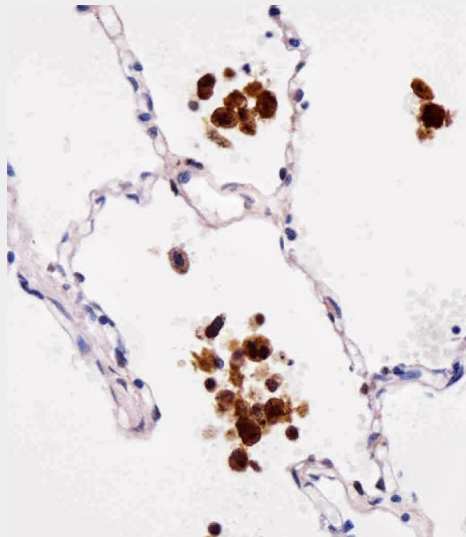
FABP4 Antibody - Images



FABP4 Antibody (Cat. #AM2235b) western blot analysis in mouse 3T3-L1 cell line and human placenta tissue lysates (35µg/lane). This demonstrates the FABP4 antibody detected the FABP4 protein (arrow).



Immunohistochemical analysis of paraffin-embedded H. kidney section using FABP4 Antibody(Cat#AM2235B). AM2235B was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.



Immunohistochemical analysis of paraffin-embedded H. lung section using FABP4 Antibody(Cat#AM2235B). AM2235B was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.

FABP4 Antibody - Background

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 (By similarity).

FABP4 Antibody - References

- Baxa C.A., et al. Biochemistry 28:8683-8690(1989).
- Kalnina N., et al. Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
- Ebert L., et al. Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
- Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
- Sjoebloom T., et al. Science 314:268-274(2006).

FABP4 Antibody - Citations

- [LDHB and FABP4 are Associated With Progression and Poor Prognosis of Pancreatic Ductal](#)

[Adenocarcinomas.](#)