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FABP4 Antibody
Mouse Monoclonal Antibody (Mab)
Catalog # AW5455

Specification

FABP4 Antibody - Product Information

Application	**WB, IHC-P,E**
Primary Accession	P15090
Reactivity	**Human, Mouse**
Host	**Mouse**
Clonality	**Monoclonal**
Calculated MW	**H=14;M=14 KDa**
Isotype	**IgG1**
Antigen Source	**HUMAN**

FABP4 Antibody - Additional Information

Gene ID 2167

Antigen Region
1-132

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

Dilution
WB~~1:1000
IHC-P~~1:25

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

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.

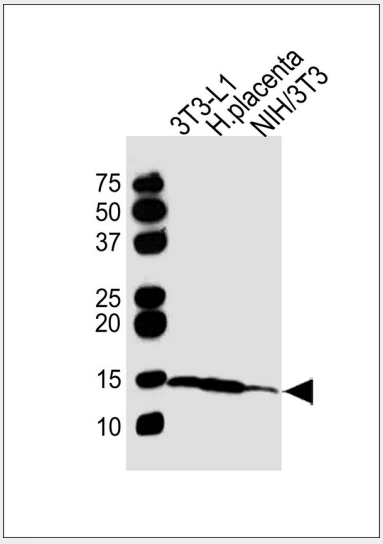
Cellular Location
Cytoplasm {ECO:0000250|UniProtKB:P04117}. Nucleus {ECO:0000250|UniProtKB:P04117}. Note=Depending on the nature of the ligand, a conformation change exposes a nuclear localization motif and the protein is transported into the nucleus. Subject to constitutive nuclear export. {ECO:0000250|UniProtKB:P04117}

FABP4 Antibody - Protocols

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

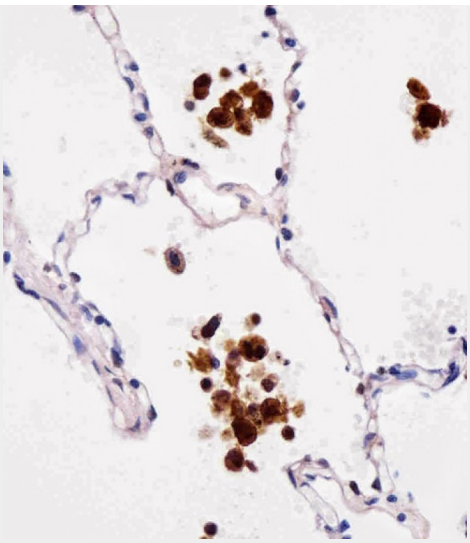
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

FABP4 Antibody - Images

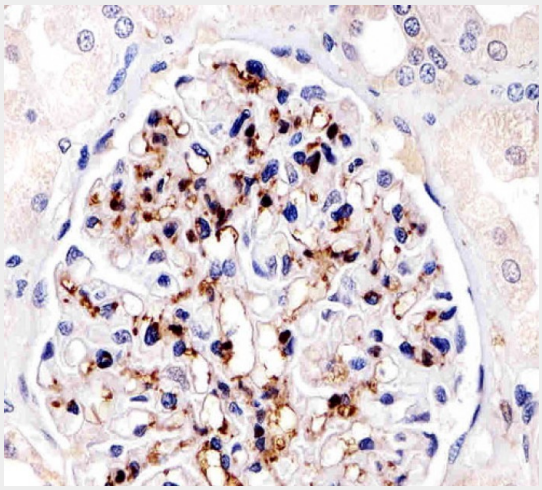


All lanes : Anti-FABP4 Antibody at 1:1000 dilution Lane 1: 3T3-L1 whole cell lysates Lane 2: human placenta lysates Lane 3: NIH/3T3 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Mouse IgG, (H+L),Peroxidase conjugated at 1/10000 dilution Predicted band size : 15 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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Immunohistochemical analysis of paraffin-embedded H. lung section using FABP4 Antibody(Cat#AW5455). AW5455 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. kidney section using FABP4 Antibody(Cat#AW5455). AW5455 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).
Kalnine 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.
Sjoeblom T., et al. Science 314:268-274(2006).