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FABP4 Antibody

Mouse Monoclonal Antibody (Mab)
Catalog # AW5455

Product Information

Application	IHC-P, WB
Primary Accession	P15090
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Calculated MW	14719
Isotype	IgG1
Antigen Source	HUMAN

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	IHC-P~~1:100~500 WB~~1:1000
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.

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}

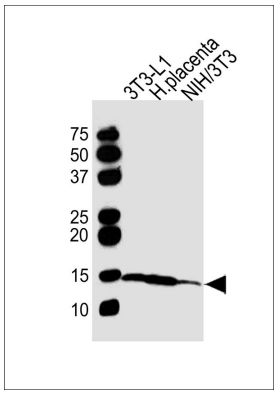
Background

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).

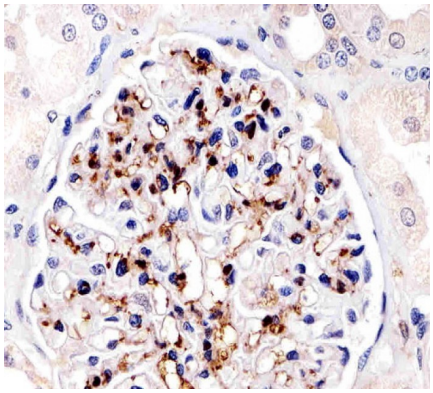
References

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).

Images

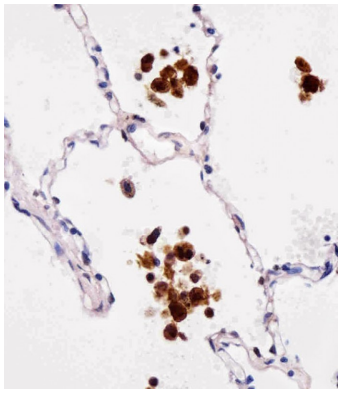


All lanes : Anti-FABP4 Antibody at 1:1000 dilution Lane 1: 3T3-L1 whole cell lysates Lane 2: human placenta lysates Lane 3: NIH/3T3 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Mouse IgG, (H+L),Peroxidase conjugated at 1/10000 dilution Predicted band size : 15 kDa Blocking/Dilution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



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.

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.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.