10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

FABP4 Antibody

Mouse Monoclonal Antibody (Mab)
Catalog # AM2235b

Product Information

Application	WB, IHC-P, E
Primary Accession	P15090
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Names	1105CT1.1.1
Calculated MW	14719
Antigen Region	1-132

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~~1:100~500 E~~Use at an assay dependent concentration.
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}

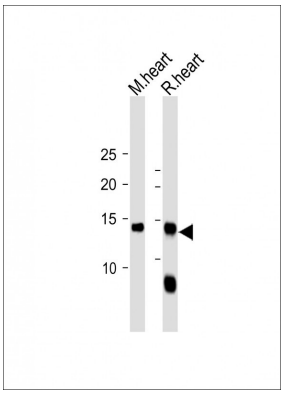
Background

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 at 1:2000 dilution Lane 1: Mouse heart lysate Lane 2: Rat heart lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Mouse IgG, (H+L), Peroxidase conjugated (ASP1613) at 1/8000 dilution. Observed band size: 14 KDa Blocking/Dilution buffer: 5% NFDM/TBST.

Citations

- LDHB and FABP4 are Associated With Progression and Poor Prognosis of Pancreatic Ductal Adenocarcinomas.

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