

ARG55578 anti-FABP4 antibody [1105CT1.1.1]

Package: 100 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes FABP4
Tested Reactivity	Hu, Ms
Tested Application	IHC-P, WB
Host	Mouse
Clonality	Monoclonal
Clone	1105CT1.1.1
Isotype	IgG1
Target Name	FABP4
Species	Human
Immunogen	Purified His-tagged Human FABP4 protein.
Conjugation	Un-conjugated
Alternate Names	Adipocyte lipid-binding protein; Fatty acid-binding protein, adipocyte; aP2; HEL-S-104; AFABP; A-FABP; ALBP; Adipocyte-type fatty acid-binding protein; Fatty acid-binding protein 4

Application Instructions

Application table	Application	Dilution
	IHC-P	1:25
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Human placenta	

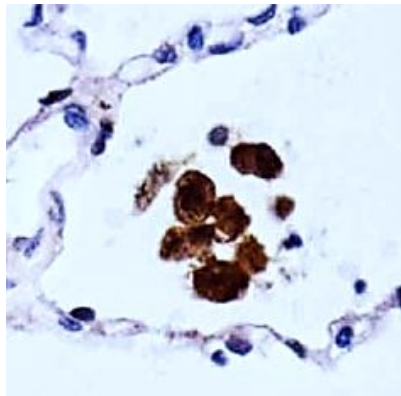
Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS and 0.09% (W/V) Sodium azide
Preservative	0.09% (W/V) Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

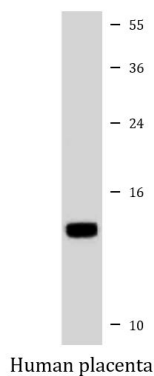
Database links	GeneID: 11770 Mouse GeneID: 2167 Human Swiss-port # P04117 Mouse Swiss-port # P15090 Human
Gene Symbol	FABP4
Gene Full Name	fatty acid binding protein 4, adipocyte
Background	FABP4 encodes the fatty acid binding protein found in adipocytes. Fatty acid binding proteins are a family of small, 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]
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 (By similarity). [UniProt]
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Developmental Biology antibody; Metabolism antibody; Signaling Transduction antibody
Calculated Mw	15 kDa
Cellular Localization	Cytoplasm. Nucleus. 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 (By similarity)

Images



ARG55578 anti-FABP4 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung tissue stained with ARG55578 anti-FABP4 antibody at 1:25 dilution.



ARG55578 anti-FABP4 antibody WB image

Western blot: 35 µg of Human placenta lysate stained with ARG55578 anti-FABP4 antibody.