

#5352 Store at -20C

**FABP1 Antibody**

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**For Research Use Only. Not for Use in Diagnostic Procedures.**

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W	H M R	Endogenous	14	Rabbit	#P07148	2168

**Product Usage Information****Application**

Western Blotting

**Dilution**

1:1000

**Storage**

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at -20°C. Do not aliquot the antibody.

**Specificity/Sensitivity**

FABP1 Antibody recognizes endogenous levels of total FABP1 protein.

**Source / Purification**

Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Val101 of human FABP1 protein. Antibodies are purified by protein A and peptide affinity chromatography.

**Background**

Fatty acid binding proteins (FABPs) bind to fatty acids and other lipids to function as cytoplasmic lipid chaperones (1,2). They participate in the transport of fatty acids and other lipids to various cellular pathways (2). Research studies have shown that common variants of the human liver fatty acid binding protein gene *FABP1* play a role in the development of type 2 diabetes and insulin resistance (3).

**Background References**

1. Tuncman, G. et al. (2006) *Proc Natl Acad Sci U S A* 103, 6970-5.
2. Haunerland, N.H. and Spener, F. (2004) *Prog Lipid Res* 43, 328-49.
3. Mansego, M.L. et al. (2012) *PLoS One* 7, e31853.

**Species Reactivity**

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

**Western Blot Buffer**

**IMPORTANT:** For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

**Applications Key**

**W:** Western Blotting

**Cross-Reactivity Key**

**H:** Human **M:** Mouse **R:** Rat

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