

#13368 Store at -20C

FABP1 (D2A3X) XP® Rabbit mAb



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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:
WB, IF-F, IF-IC	H M R Mk	Endogenous	14	Rabbit IgG	#P07148	2168

Product Usage Information	Application Western Blotting Immunofluorescence (Frozen) Immunofluorescence (Immunocytochemistry)	Dilution 1:1000 1:50 1:50
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.	
Specificity / Sensitivity	FABP1 (D2A3X) XP® Rabbit mAb recognizes endogenous levels of total FABP1 protein.	
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the amino terminus of human FABP1 protein.	
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 <i>FABP1</i> play a role in the development of type 2 diabetes and insulin resistance (3).	
Background References	1. Tuncman, G. et al. (2006) <i>Proc Natl Acad Sci U S A</i> 103, 6970-5. 2. Haunerland, N.H. and Spener, F. (2004) <i>Prog Lipid Res</i> 43, 328-49. 3. Mansego, M.L. et al. (2012) <i>PLoS One</i> 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 BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
Applications Key	WB: Western Blotting IF-F: Immunofluorescence (Frozen) IF-IC: Immunofluorescence (Immunocytochemistry)
Cross-Reactivity Key	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected
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