

# FABP4 Recombinant Polyclonal Antibody (2HCLC)

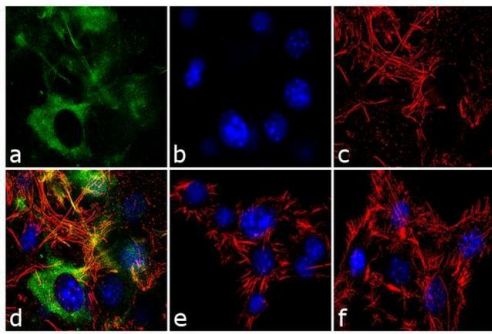
Product Details	
Size	100 µg
Species Reactivity	Human, Mouse
Host/Isotype	Rabbit / IgG
Expression system	Expi293
Class	Recombinant Polyclonal
Type	Antibody
Clone	2HCLC
Conjugate	Unconjugated
Immunogen	Recombinant protein corresponding to amino acids 1-132 of human adipocyte-type fatty acid-binding protein
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS
Contains	0.09% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2532614

Applications	Tested Dilution	Publications
Western Blot (WB)	1-3 µg/mL	-
Immunocytochemistry (ICC/IF)	2 µg/mL	-

## Product Specific Information

Recombinant rabbit polyclonal antibodies are unique offerings from Thermo Fisher Scientific. They are comprised of a selection of multiple different recombinant monoclonal antibodies, providing the best of both worlds - the sensitivity of polyclonal antibodies with the specificity of monoclonal antibodies - all delivered with the consistency only found in a recombinant antibody. While functionally the same as a polyclonal antibody - recognizing multiple epitope sites on the target and producing higher detection sensitivity for low abundance targets - a recombinant rabbit polyclonal antibody has a known mixture of light and heavy chains. The exact population can be produced in every lot, circumventing the biological variability typically associated with polyclonal antibody production.

## Product Images For FABP4 Recombinant Polyclonal Antibody (2HCLC)

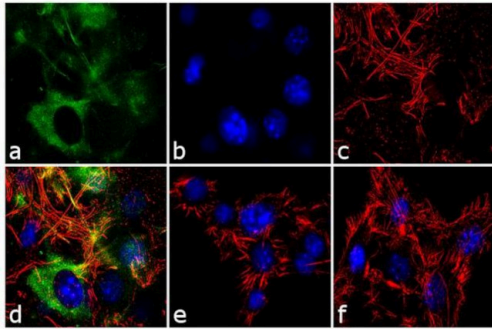


### FABP4 Antibody (710189)

Modulation of expression of target protein by cell treatment demonstrates antibody specificity. Immunofluorescence analysis of FABP4 using Anti- FABP4 Recombinant Rabbit Polyclonal Antibody (Product # 710189) shows increase in expression of FABP4 in the 3T3L1 cell on being differentiated with StemPro Adipogenesis supplement. {TM}

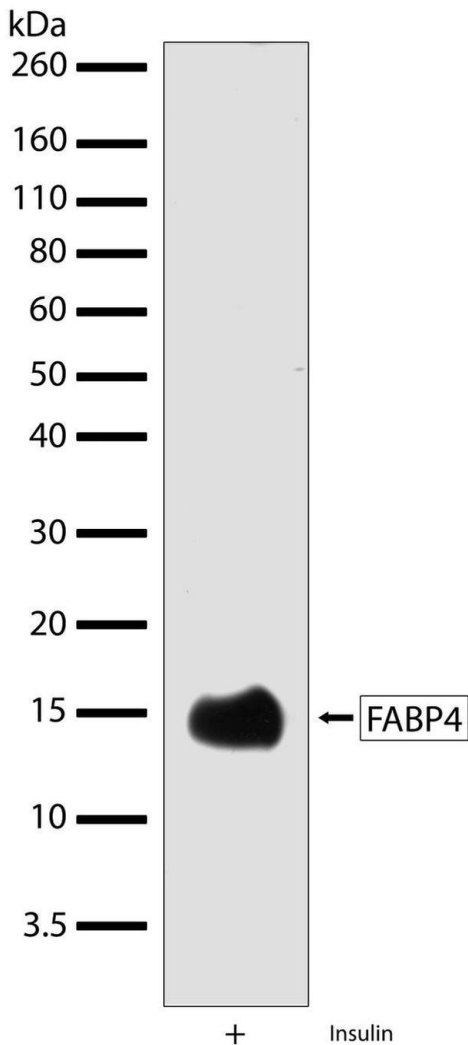
### FABP4 Antibody (710189) in ICC/IF

Immunofluorescence analysis of FABP4 was performed using 70% confluent 3T3-L1 cells differentiated with StemPro Adipogenesis Supplement (Product # A10070-01) for 5 days. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with FABP4 (2HCLC) Recombinant Rabbit Polyclonal Antibody (Product # 710189) at 2 µg/mL in 0.1% BSA and incubated for 3 hours at room temperature and then labeled with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Alexa Fluor® 555 Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing cytoplasmic localization. Panel e is untreated cell with no signal. Panel f represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



### FABP4 Antibody (710189) in WB

Western blot analysis of FABP4 in whole cell extracts of serum-starved 3T3 L1 cells treated with Insulin (100 ng/mL, 15 min) using a FABP4 Recombinant Rabbit Polyclonal Antibody (Product # 710189) at a dilution of 1 µg/mL. Samples were detected using chemiluminescence (ECL). Results show a band at ~15 kDa.



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