

Product Name: Anti-heart-type Fatty Acid Binding Protein (hFABP) scFv (3G9)

Overview

Antigen Target	Human heart-type fatty acid binding protein (hFABP)
Epitope	Not defined
Antibody type/clonality	Recombinant scFv antibody
Clone Number	3G9
Source/Host	Chicken
Species Reactivity	
Applications	ELISA, WB

Properties

Form	Liquid
Purity	
Specificity	High
Affinity	8.36×10^{-10} M
Concentration	1.32 mg/mL
Application working concentration	ELISA (1:1,000-1:10,000) Western blotting (1:1,000-1:10,000)
Storage	1 x PBS plus 5% Glycerol

Supply & Storage

Storage Conditions	-20°C in 1 x PBS plus 5% Glycerol. Avoid repeated freeze and thaw cycles.
Standard Shipping Volumes	100 µL
Shipping Conditions	

Additional Information

Reference on Antibody	Ayyar B.V., Hearty S. and O'Kennedy R. (2010) Highly sensitive recombinant antibodies capable of reliably differentiating heart-type fatty acid binding protein from noncardiac isoforms. <i>Anal. Biochem.</i> , 407(2):165-71.
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Application Information

SDS-PAGE and Western blotting analysis of anti-hFABP, 3G9 (Fig.1-2)

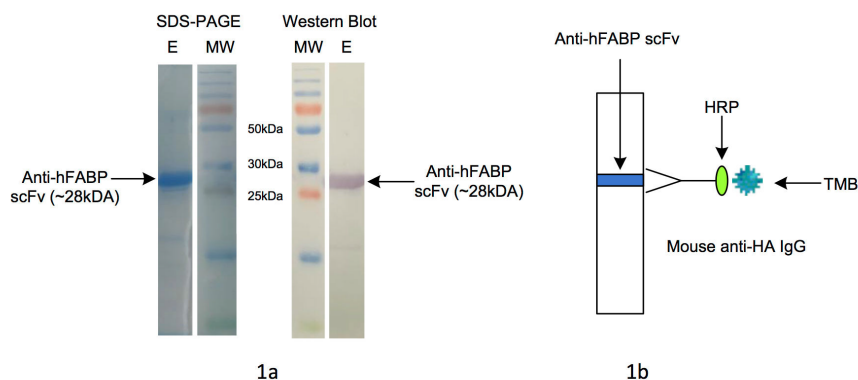


Fig. 1 SDS-PAGE and Western blotting analysis of purified anti-hFABP

Figure 1a shows the SDS-PAGE containing purified anti-hFABP scFv (~ 28 kDa) and the anti-hFABP scFv-specific band on Western blotting was probed with mouse anti-HA IgG. MW: Pre-stained protein ladder; E: elution. The figure 1b shows the schematic diagram of the Western blotting analysis.

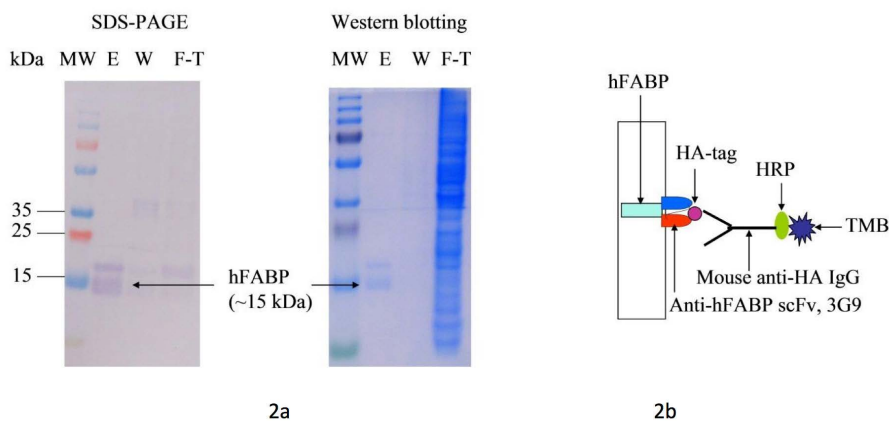


Fig. 2 Detection of hFABP using chicken anti-hFABP, 3G9.

Figure 2a shows the SDS-PAGE containing purified hFABP (~ 15 kDa) and the hFABP-specific band on Western blotting was probed with chicken anti-hFABP scFv, 3G9 followed by HRP-labelled anti-HA IgG. MW: Pre-stained protein ladder; F-T: 'flow through'; W: wash; E: elution. The figure 2b shows the schematic diagram of the Western blotting analysis.

Contact Information

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