

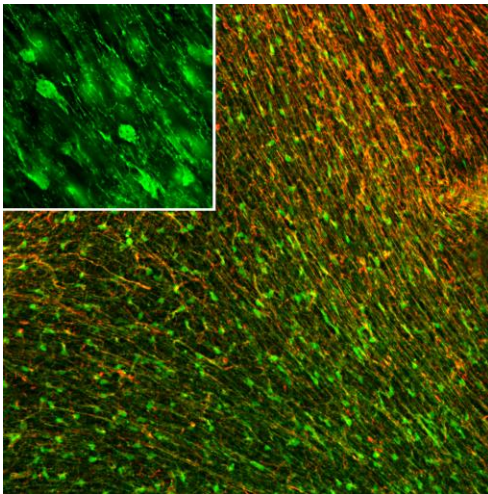


<b>Catalog Number:</b>	MO22188	<b>Host:</b>	Mouse
<b>Product Type:</b>	Mouse Monoclonal IgG	<b>Species Reactivity:</b>	Human, Rat, and Mouse
<b>Immunogen Sequence:</b>	Recombinant full length human FABP7 expressed in and purified from <i>E. coli</i> .	<b>Format:</b>	Purified antibody at 1mg/mL in 50% PBS, 50% glycerol plus 5mM NaN <sub>3</sub>
<b>Applications:</b>	Immunofluorescence: 1:1,000 Immunocytochemistry: 1:1,000 Immunohistochemistry: 1:1,000 Western Blot: 1:1,000-2,000		
	Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.		
<b>Storage:</b>	Antibody can also be aliquotted and stored frozen at -20° C in a manual defrost freezer for six months without detectable loss of activity. The antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. Avoid repeated freeze-thaw cycles.		

### Application Notes

#### Description/Data:

Fatty Acid-Binding Proteins (FABPs) are a family of low-molecular-weight (14–15kDa) intracellular polypeptides that bind and solubilize long-chain fatty acids, thus controlling intracellular lipid dynamics (1,2). Ten members of the FABP family are expressed in humans, each with a specific cell and tissue expression pattern. The seventh member of the family is generally called FABP7 but is also known as brain lipid binding protein or BLBP. FABP7 is abundantly expressed in neural stem cells, radial glia and astrocytes of the developing brain and the retina but is heavily down regulated in the adult.



*Image: Immunofluorescent analysis rat embryonic brain section stained with mouse mAb to FABP7 dilution 1:500 in green, and costained with chicken pAb to vimentin, dilution 1:5,000 in red. The blue is Hoechst staining of nuclear DNA.*

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