

## ARG11124 anti-FABP7 antibody [2A84]

Package: 50 µl  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [2A84] recognizes FABP7
Tested Reactivity	Hu, Rat
Predict Reactivity	Ms
Tested Application	ICC/IF, IHC-Fr, WB
Host	Mouse
Clonality	Monoclonal
Clone	2A84
Isotype	IgG1
Target Name	FABP7
Species	Human
Immunogen	Recombinant full-length Human FABP7.
Conjugation	Un-conjugated
Alternate Names	BLBP; Fatty acid-binding protein, brain; FABPB; Mammary-derived growth inhibitor related; Brain lipid-binding protein; B-FABP; LTR2-FABP7; Brain-type fatty acid-binding protein; Fatty acid-binding protein 7; MRG

### Application Instructions

Application table	Application	Dilution
	ICC/IF	1:1000
	IHC-Fr	1:1000
	WB	1:1000 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 13 kDa	

### Properties

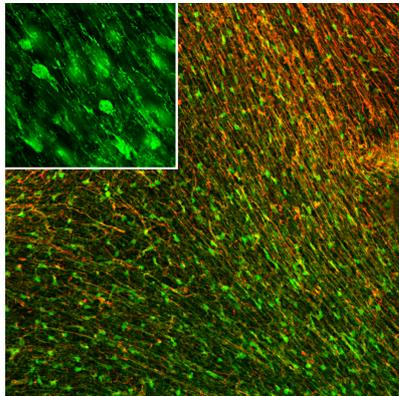
Form	Liquid
Purification	Purified
Buffer	PBS, 5 mM Sodium azide and 50% Glycerol.
Preservative	5 mM Sodium azide
Stabilizer	50% Glycerol

Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

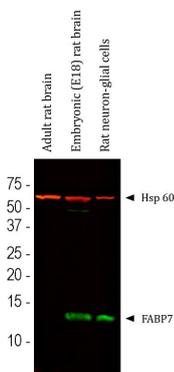
Gene Symbol	FABP7
Gene Full Name	fatty acid binding protein 7, brain
Background	The gene encodes a small, highly conserved cytoplasmic protein that bind long-chain fatty acids and other hydrophobic ligands. The encoded protein is important in the establishment of the radial glial fiber in the developing brain. Alternative splicing and promoter usage results in multiple transcript variants encoding different isoforms. Pseudogenes of this gene are found on multiple chromosomes. [provided by RefSeq, Jan 2016]
Function	B-FABP could be involved in the transport of a so far unknown hydrophobic ligand with potential morphogenic activity during CNS development. It is required for the establishment of the radial glial fiber system in developing brain, a system that is necessary for the migration of immature neurons to establish cortical layers (By similarity). [UniProt]
Calculated Mw	15 kDa
Cellular Localization	Cytoplasm. [UniProt]

## Images



ARG11124 anti-FABP7 antibody [2A84] IHC-Fr image

Immunohistochemistry: Frozen section of Rat embryonic brain tissue stained with ARG11124 anti-FABP7 antibody [2A84] (green) at 1:500 dilution, and co-stained with anti-Vimentin antibody (red) at 1:5000 dilution.



ARG11124 anti-FABP7 antibody [2A84] WB image

Western blot: Adult rat brain, Embryonic (E18) rat brain and Rat neuron-glia cell lysates stained with ARG11124 anti-FABP7 antibody [2A84] (green) at 1:1000 dilution, and [ARG10757](#) anti-Hsp 60 antibody (red) at 1:10000 dilution.

The bands at ~ 14k Da correspond to FABP7 detected only in developing tissue and cells, and 60 kDa bands represent HSP60 protein, which is labeled in all preparations.