

ARG11138
anti-FABP7 antibodyPackage: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes FABP7
Tested Reactivity	Hu, Rat
Predict Reactivity	Ms
Tested Application	IHC-Fr, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
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
	IHC-Fr	1:2000 - 1:5000
	WB	1:1000 - 1:5000
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

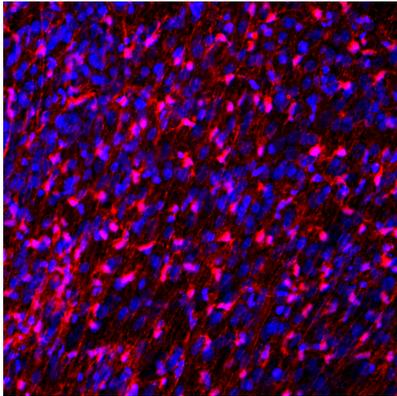
Form	Liquid
Purification	Affinity purified.
Buffer	PBS, 5 mM Sodium azide and 50% Glycerol.
Preservative	5 mM Sodium azide
Stabilizer	50% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store 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

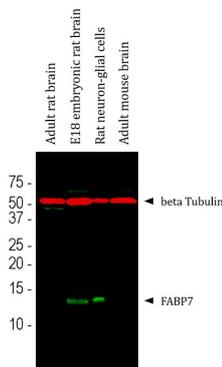
Gene Symbol	FABP7
Gene Full Name	fatty acid binding protein 7, brain
Background	The gene encodes a small, highly conserved cytoplasmic protein that bind long-chain fatty acids and other hydrophobic ligands. The encoded protein is important in the establishment of the radial glial fiber in the developing 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



ARG11138 anti-FABP7 antibody IHC-Fr image

Immunohistochemistry: Frozen section of Rat embryonic brain tissue stained with ARG11138 anti-FABP7 antibody (red) at 1:1000 dilution. Hoechst (blue) for nuclear staining.



ARG11138 anti-FABP7 antibody WB image

Western blot: Adult rat brain, E18 embryonic rat brain, Rat neuronal cell culture and adult mouse brain lysates stained with ARG11138 anti-FABP7 antibody (green) at 1:2000 dilution, and co-stained with anti-beta Tubulin antibody (red) at 1:10000 dilution.