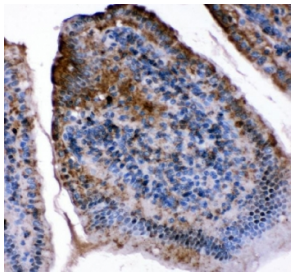
FABP5 Antibody (R30951)

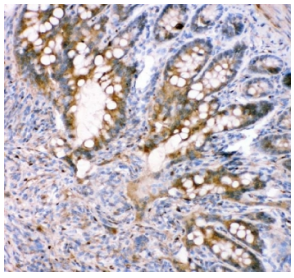
Catalog No.	Formulation	Size
R30951	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

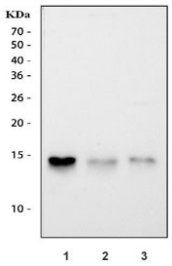
Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	Q05816
Localization	Cytoplasmic, nuclear
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml
Limitations	This FABP5 antibody is available for research use only.



IHC staining of FFPE mouse intestine tissue with FABP5 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat intestine tissue with FABP5 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) rat lung, 2) rat intestine and 3) mouse lung tissue lysate with FABP5 antibody. Predicted molecular weight ~15 kDa.

Description

Fatty acid binding protein 5 (psoriasis-associated) is a protein that in humans is encoded by the FABP5 gene, also known as PAFABP, EFABP, E-FABP, KFABP, PA-FABP, and Epidermal-type fatty acid-binding protein. It is a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids and other hydrophobic ligands. The cDNA encodes a 135-amino acid protein with molecular weight 15,164. This gene encodes the fatty acid binding protein found in epidermal cells, and was first identified as being upregulated in psoriasis tissue. It is though that FABPs roles include fatty acid uptake, transport, and metabolism. Kaczocha et al.(2009) identified FABP5 and FABP7 as cytosolic proteins that transport AEA from the plasma membrane to subcellular fatty acid amide hydrolase, where it is hydrolyzed and inactivated. FABP3 did not show this specific transport function.

Application Notes

Titration of the FABP5 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Amino acids 10-23 (KWRLMESHGFEEYM-mouse) were used as the immunogen for this FABP5 antibody.

Storage

The lyophilized FABP5 antibody can be stored at 4oC to -20oC. After reconstitution, aliquot and store at -20oC. Avoid repeated freeze/thaws.