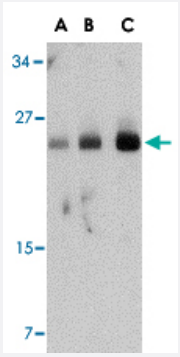
FABP7 polyclonal antibody

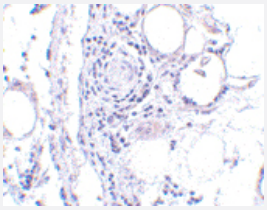
Catalog # PAB13002 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of FABP7 in human breast tissue lysate with FABP7 polyclonal antibody (Cat # PAB13002) at (A) 0.5, (B) 1 and (C) 2 ug/mL .



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry of FABP7 in human breast tissue with FABP7 polyclonal antibody (Cat # PAB13002) at 5 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of FABP7.
Immunogen	A synthetic peptide corresponding to internal region 17 amino acids of human FABP7.
Host	Rabbit
Reactivity	Human
Form	Liquid
Recommend Usage	Western Blot (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

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- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemistry of FABP7 in human breast tissue with FABP7 polyclonal antibody (Cat # PAB13002) at 5 ug/mL .

Gene Info — FABP7

Entrez GeneID	2173
Protein Accession#	EAW48166
Gene Name	FABP7
Gene Alias	B-FABP, BLBP, DKFZp547J2313, FABPB, MRG
Gene Description	fatty acid binding protein 7, brain
Omim ID	602965
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a brain fatty acid binding protein. Fatty acid binding proteins (FABPs) are a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty aci ds and other hydrophobic ligands. FABPs are thought to play roles in fatty acid uptake, transport, and metabolism. [provided by RefSeq
Other Designations	OTTHUMP00000017118|brain lipid binding protein|mammary-derived growth inhibitor-related

Publication Reference

- A new melanoma antigen fatty acid-binding protein 7, involved in proliferation and invasion, is a potential target for immunotherapy and molecular target therapy.

  Goto Y, Matsuzaki Y, Kurihara S, Shimizu A, Okada T, Yamamoto K, Murata H, Takata M, Aburatani H, Hoon DS, Saida T, Kawakami Y.

  Cancer Research 2006 Apr; 66(8):4443.

  Application: IHC-P, WB-Ce, WB-Tr, Human, HEK 293T, U251, WM266 cells, Human melanoma

- The multigene family of fatty acid-binding proteins (FABPs): function, structure and polymorphism.

  Chmurzynska A.

  Journal of Aplied Genetics 2006 Jan; 47(1):39.

  Application: IHC-P, Human, Human brain

- Role of Fabp7, a downstream gene of Pax6, in the maintenance of neuroepithelial cells during early embryonic development of the rat cortex.

  Arai Y, Funatsu N, Numayama-Tsuruta K, Nomura T, Nakamura S, Osumi N.

  Journal of Neuroscience 2005 Oct; 25(42):9752.

  Application: IF, IHC-Fr, Rat, NEp cells, Rat embryos

Pathway

- PPAR signaling pathway

Disease

- Autistic Disorder
- Bipolar Disorder
- Genetic Predisposition to Disease
- Schizophrenia