

Product datasheet for **AM26272PU-N**

liver FABP (FABP1) Mouse Monoclonal Antibody [Clone ID: K5A6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	K5A6
Applications:	ELISA, IHC, WB
Recommended Dilution:	Immunohistochemistry on frozen sections: The typical starting working dilution is 1:50. Immunoassay. Western blot: The typical starting working dilution is 1:50.
Reactivity:	Baboon, Human, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	The monoclonal antibody K5A6 recognizes human liver fatty acid binding protein (L-FABP) of both natural and recombinant origin. It is useful to detect ischemic areas of human liver. Weak reactivity with Human H-FABP.
Formulation:	PBS State: Purified State: Liquid 0.2 µm filtered Ig fraction Stabilizer: 0.1% bovine serum albumin Preservative: 0.02% sodium azide
Concentration:	lot specific
Purification:	Protein G
Conjugation:	Unconjugated
Storage:	Store at 2 - 8 °C.
Stability:	Shelf life: one year from despatch.
Gene Name:	fatty acid binding protein 1
Database Link:	Entrez Gene 2168 Human P07148



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Background:

The L-FABP protein is derived from the human FABP1 gene. FABPs are small intracellular proteins (~13-14 kDa) with a high degree of tissue specificity that bind long chain fatty acids. They are abundantly present in various cell types and play an important role in the intracellular utilization of fatty acids, transport and metabolism. There are at least nine distinct types of FABP, each showing a specific pattern of tissue expression. Due to its small size, FABP leaks rapidly out of ischemically damaged necrotic cells leading to a rise in serum levels. Ischemically damaged tissues are characterized histologically by absence (or low presence) of FABP facilitating recognition of such areas. L-FABP is localized in the liver, kidney and intestinal epithelium.

Synonyms:

FABPL, L-FABP, Liver-type fatty acid-binding protein