Human FABP4/A-FABP Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF3150

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human FABP4/A-FABP in direct ELISAs and Western blots. In direct ELISAs, approximately 60% cross-reactivity with recombinant mouse (rm) FABP4 is observed, approximately 30% cross-reactivity with recombinant human (rh) FABP3 is observed, and less than 5% cross-reactivity with rhFABP1, -2, -5, -6, -7, -8, -9, and rmFABP9 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human FABP4/A–FABP Cys2-Ala132 Accession # P15090
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 μm filtered solution in PBS.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Recombinant Human FABP4
Immunohistochemistry	5-15 µg/mL	Immersion fixed paraffin-embedded sections of human normal adipose, normal heart, and bladder cancer tissue

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

FABP4, also known as adipocyte P2 and A-FABP (adipocyte FABP), is a FABP family member that is expressed in adipocytes and monocyte-derived foam cells. It is a lipid transport protein that binds long chain fatty acid and retinoic acid. Human and mouse FABP4 share 91% amino acid sequence homology.