

DESCRIPTION

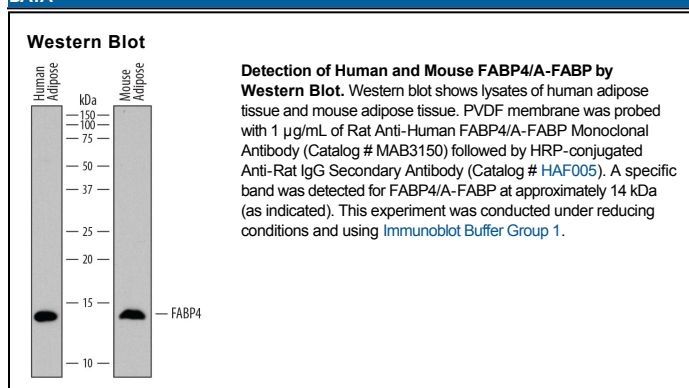
| | |
|---------------------------|---|
| Species Reactivity | Human/Mouse |
| Specificity | Detects human FABP4/A-FABP in direct ELISAs and human and mouse FABP4/A-FABP in Western blots. In direct ELISAs, 100% cross-reactivity with recombinant mouse (rm) FABP4, 50% cross-reactivity with recombinant human (rh) FABP3, 15% cross-reactivity with rhFABP3, and no cross-reactivity with rhFABP8 or rhFABP9 is observed. |
| Source | Monoclonal Rat IgG ₁ Clone # 804914 |
| Purification | Protein A or G purified from hybridoma culture supernatant |
| Immunogen | <i>E. coli</i> -derived recombinant human FABP4/A-FABP Met1-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 | 1 µg/mL | See Below |

DATA



PREPARATION AND STORAGE

| | |
|--------------------------------|--|
| Reconstitution | Sterile PBS to a final concentration of 0.5 mg/mL. |
| 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. <ul style="list-style-type: none"> ● 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.