# Human/Mouse Adropin Alexa Fluor® 750-conjugated Antibody

Monoclonal Mouse $IgG_{2B}$ Clone # 976401

Catalog Number: FAB9690S

100 µg

## DESCRIPTION

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| **Species Reactivity** | Human/Mouse |
| **Specificity** | Detects human Adropin in direct ELISAs. Detects human and mouse Adropin in immunocytochemistry. |
| **Source** | Monoclonal Mouse $IgG_{2B}$ Clone # 976401 |
| **Purification** | Protein A or G purified from hybridoma culture supernatant |
| **Immunogen** | Synthetic peptide containing human Adropin<br>Accession # Q6UWT2 |
| **Conjugate** | Alexa Fluor 750<br>Excitation Wavelength: 749 nm<br>Emission Wavelength: 775 nm |
| **Formulation** | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |

## 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.*

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| **Immunocytochemistry** | Optimal dilution of this antibody should be experimentally determined. |
| **Immunohistochemistry** | Optimal dilution of this antibody should be experimentally determined. |

## PREPARATION AND STORAGE

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| **Shipping** | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. |
| **Stability & Storage** | Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied |

## BACKGROUND

Adropin (from the gene energy homeostasis-associated protein, ENHO) is a 76 amino acid peptide hormone encoded by the gene ENHO. Adropin levels are regulated by nutrition; a high fat diet in lean C57BL/6J mice produced rapid increase in ENHO expression. It is preferentially expressed in brain and has cardiovascular and metabolic roles in the periphery. Adropin plays a role in metabolic homeostasis, fatty acids metabolism control, insulin resistance prevention, Dyslipidemia and impaired glucose tolerance. Adropin level is thought to be a factor in obesity because it plays a role in regulating carbohydrate, lipid and protein metabolisms by moderating glucose-mediated insulin release. High plasma levels of Adropin are associated with heart failure and body mass index. Adropin has also been shown to preserve the blood brain barrier and improve neuronal function after intracerebral hemorrhage in mice.

## PRODUCT SPECIFIC NOTICES

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