

DESCRIPTION

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 Accession # Q6UWT2
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*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.

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

PREPARATION AND STORAGE

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.

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