

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Epimorphin/Syntaxin 2 in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human Epimorphin is observed.
Source	Monoclonal Rat IgG _{2A} Clone # 338930
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant mouse Epimorphin/Syntaxin 2 Met1-Arg189 Accession # Q00262
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.

Western Blot	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

Epimorphin, also known as syntaxin 2, is a member of the highly conserved syntaxin family. It is a type IV integral membrane protein with a C-terminal membrane anchor and an N-terminal functional domain. Epimorphin can assume membrane topology with the functional domain localized extracellularly or to the cytoplasmic face. Extracellular Epimorphin functions in morphogenesis while intracellular Epimorphin functions as a vesicle fusion protein. Mouse Epimorphin functional domain shares 97% and 91% amino acid sequence homology with rat and human Epimorphin, respectively.

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