Human/Mouse Syntaxin 12 Alexa Fluor® 647-conjugated Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF6617R
100 µg

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human Syntaxin 12 in direct ELISAs. Detects human and mouse Syntaxin 12 in immunohistochemistry.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	*E.coli*-derived recombinant human Syntaxin 12 Met1-Gln200 Accession # Q86Y82
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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.*

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

Syntaxin 12/STX12 is a 39 kDa member of the Syntaxin family. It is a SNARE that acts to regulate protein transport between late endosomes and the trans-Golgi network. Human STX12 is 276 amino acids (aa) in length, and is a type IV single-pass transmembrane protein. The cytoplasmic region extends from aa 1-248. A coiled-coil region extends from aa 33-131 within that region. From aa 178-240, there is a t-SNARE coiled-coil homology domain. The transmembrane region is located at 249-269, and a vesicular area is located at aa 270-276. Human STX12 shares 92% aa sequence identity with mouse STX12.

PRODUCT SPECIFIC NOTICES

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