

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human, mouse, and rat Syntaxin 8 in Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Syntaxin 8 Met1-Gly215 Accession # Q9UNK0
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.

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

Syntaxin 8 (STX8) is a 28 kDa member of the syntaxin family of proteins. It is ubiquitously expressed, embedded in Golgi, endosomal and lysosomal membranes, and serves as a component of the SNARE complex. STX8 is involved in endosomal homotypic fusion events as well as protein trafficking. Human STX8 is a type IV single-pass transmembrane protein (very short exoplasmic C-terminus) that is 236 amino acids (aa) in length. It contains a coiled-coil region (aa 42-65), a t-SNARE domain (aa 152-207) that is likely involved in protein-protein interactions, and a short, four amino acid C-terminal luminal sequence. Over aa 1-215, human STX8 shares 92% aa identity with mouse STX8.

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