Human Syntaxin 6
Alexa Fluor® 488-conjugated Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: IC5664G
100 Tests

DESCRIPTION

Species Reactivity	Human
Specificity	Conjugated Syntaxin 6 antibodies are ideal for immunocytochemistry colocalization studies in trans-Golgi and endosomal membranes. The unconjugated antibody detects human Syntaxin 6 in direct ELISAs and Western blots. In direct ELISAs, less than 3% cross-reactivity with recombinant human (rh) Syntaxin 8, rhSyntaxin 12, and rhSyntaxin 16 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human Syntaxin 6 Ser69-Asn217 Accession # O43752
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *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.

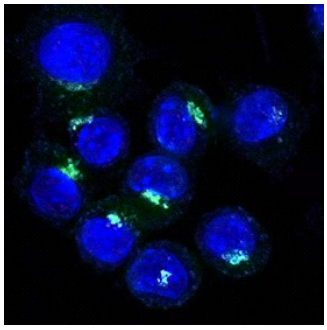
APPLICATIONS

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.*

	Recommended Concentration	Sample
Immunocytochemistry	1:10 dilution	See Below

DATA

Immunocytochemistry



Syntaxin 6 in HeLa Human Cell Line. Syntaxin 6 was detected in formaldehyde fixed HeLa human cervical epithelial carcinoma cell line using Sheep Anti-Human Syntaxin 6 Alexa Fluor® 488-conjugated Antigen Affinity-purified Polyclonal Antibody (Catalog # IC5664G) at 1:10 dilution for 3 hours at room temperature and counterstained with DAPI (blue). Specific staining was localized to Golgi bodies. View our protocol for Fluorescent ICC Staining of Cells on Coverslips.

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 6 (STX6) is a 30-35 kDa member of the syntaxin family of proteins. It is widely expressed, embedded in trans-Golgi and endosomal membranes, and is associated with a variety of SNARE proteins. STX6 is involved in the regulation of caveolae-dependent endocytosis, and is crucial for membrane remodeling. Human STX6 is a type IV single-pass transmembrane protein (very long cytoplasmic N-terminus) that is 255 amino acids (aa) in length. It contains a coiled-coil region (aa 41-74), a t-SNARE domain (aa 163-225) that is likely involved in protein-protein interactions, and a C-terminal transmembrane sequence. There are two splice variants that are also 255 aa in length, but show variation over aa 69-73. Over aa 69-217, human STX6 shares 93% aa identity with mouse STX6.

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