

#### DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human Syntabulin in direct ELISAs and Western blots.
<b>Source</b>	Polyclonal Goat IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human Syntabulin Gln489-Arg656 Accession # Q9NX95
<b>Conjugate</b>	Alexa Fluor 350 Excitation Wavelength: 346 nm Emission Wavelength: 442 nm
<b>Formulation</b>	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.

#### 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

Syntabulin (also Golgi-localized synaphilin-related protein) is a 70-75 kDa molecule that belongs to the syntaxin-binding and kinesin-1 family of motor adaptor proteins. It is highly spliced, with various forms associated with different tissues. In neurons, it anchors syntaxin-1 to KIF5B, creating a complex by which synaptic components can be transported to synaptic terminals. Human Syntabulin is a type II transmembrane (TM) protein 663 amino acids (aa) in length. It contains one coiled-coil region (aa 271-353) and a TM domain between aa 606-626. Alternate splice forms show alternate start sites at Met120 and Met207, a five aa substitution for aa 1-8, a 16 aa insertion after Lys8, and an eight aa substitution for aa 1-76. Over aa 486-653, human Syntabulin shares 83% aa identity with mouse Syntabulin.

#### PRODUCT SPECIFIC NOTICES

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