

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Syntabulin in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Syntabulin Gln489-Arg656 Accession # Q9NX95
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 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.

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.

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