

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects endogenous human, mouse and rat Complexin-2 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Complexin-2 Met1-Lys134 Accession # Q6PUV4
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 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.
Immunocytochemistry	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

Complexin-2 (CPX II; also known as synaphin-1) is a 19 kDa, cytosolic protein that belongs to the complexin/synaphin family of molecules. It is expressed in excitatory neurons and serves as a block against premature granule release by its binding to the *cis*-SNARE complex that contains SNAP25, VAMP2 and STX1A. Human Complexin-2 is 134 amino acids (aa) in length and contains one coiled-coil domain (aa 28-84) that incorporates part of a SNARE complex interaction sequence (aa 41-97). There is one potential splice variant that shows a premature truncation after Glu114. Human Complexin-2 is identical in aa sequence to that for mouse and rat Complexin-2.

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