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Datasheet for ABIN1411080

**anti-SYT14 antibody (AA 477-555) (Cy7)**

## Overview

Quantity:	100 µL
Target:	SYT14
Binding Specificity:	AA 477-555
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SYT14 antibody is conjugated to Cy7
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Synaptotagmin-14
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Cow, Sheep, Pig, Horse, Chicken, Rabbit
Purification:	Purified by Protein A.

## Target Details

Target:	SYT14
Alternative Name:	Synaptotagmin 14 ( <a href="#">SYT14 Products</a> )
Background:	Synonyms: Synaptotagmin14, Synaptotagmin 14, SCAR11, Synaptotagmin XIV, Synaptotagmin-

## Target Details

14, SYT14, SYT14\_HUMAN, SytXIV.

Background: Synaptotagmins are a large gene family of synaptic vesicle type III integral membrane proteins that function as regulators of both exocytosis and endocytosis and are involved in neurotransmitter secretion from small secretory vesicles. Synaptotagmin XIV, also known as SytXIV, is a 555 amino acid single-pass type III membrane protein belonging to the Synaptotagmin family. With the ability to form heterodimers, Synaptotagmin XIV mainly exists as a homodimer and contains two C2 domains, an N-terminal transmembrane domain and a putative fatty-acylation site. Synaptotagmin XIV is Ca<sup>2+</sup>-independent and may function in the trafficking and exocytosis of secretory vesicles to tissues outside the brain. Disruption of Synaptotagmin XIV may be affiliated with neurodevelopmental abnormalities. Synaptotagmin XIV exists as six alternatively spliced isoforms and is encoded by a gene on human chromosome 1q32.2.

## Application Details

Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months