

Datasheet for ABIN7043796

**anti-Syntaxin 4 antibody (Intracellular, N-Term)****2** Images[Go to Product page](#)

## Overview

Quantity:	25 µL
Target:	Syntaxin 4 (STX4)
Binding Specificity:	AA 2-23, Intracellular, N-Term
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Syntaxin 4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunohistochemistry (IHC)

## Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: RDRTHELRQGDNISDDEDEVRV(C), corresponding to residues 2-23 of rat syntaxin 4
Isotype:	IgG
Characteristics:	Anti-Syntaxin 4 Antibody is directed against an epitope of rat Syntaxin 4. Anti-Syntaxin 4 Antibody (ABIN7043796, ABIN7044650 and ABIN7044651)) can be used in western blot and immunohistochemical applications. It was designed to recognize Syntaxin 4 from rat, mouse and human samples.
Purification:	Affinity purified on immobilized antigen.

## Target Details

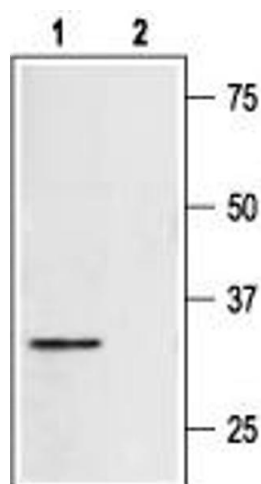
Target:	Syntaxin 4 (STX4)
Alternative Name:	Syntaxin 4 ( <a href="#">STX4 Products</a> )
Background:	Alternative names: Syntaxin 4, STX4, Renal carcinoma antigen NY-REN-31, P35-2
Gene ID:	81803
NCBI Accession:	<a href="#">NM_004604</a>
UniProt:	<a href="#">Q08850</a>
Pathways:	<a href="#">Synaptic Vesicle Exocytosis</a>

## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

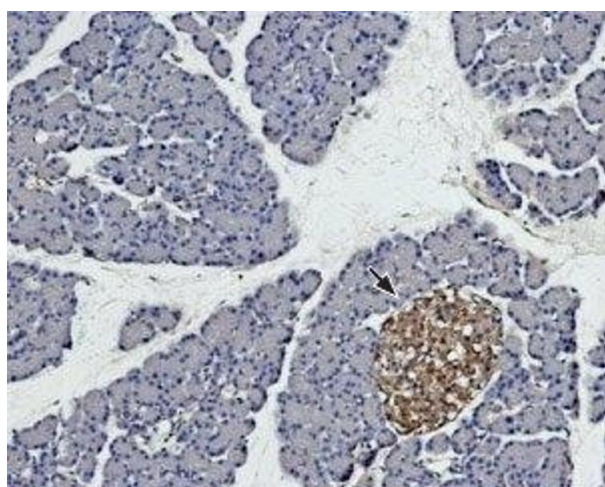
## Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.4 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT, 4 °C, -20 °C
Storage Comment:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).</p>



### Western Blotting

**Image 1.** Western blot analysis of rat heart lysate: - 1. Anti-Syntaxin 4 Antibody ((ABIN7043796, ABIN7044650 and ABIN7044651), (1:400). 2. Anti-Syntaxin 4 Antibody, preincubated with Syntaxin 4 Blocking Peptide (#BLP-NR004).



### Immunohistochemistry

**Image 2.** Expression of syntaxin 4 in rat pancreas - Immunohistochemical staining of rat pancreas paraffin embedded sections using Anti-Syntaxin 4 Antibody (ABIN7043796, ABIN7044650 and ABIN7044651), (1:100). STX4 (brown staining) is expressed in endocrine cells of the Islets of Langerhans (arrow). Hematoxylin is used as the counterstain.