

Product datasheet

Anti-Synaptotagmin VII antibody ab121383

[2 References](#) [2 Images](#)

Overview

Product name	Anti-Synaptotagmin VII antibody
Description	Rabbit polyclonal to Synaptotagmin VII
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Human
Immunogen	antigen, corresponding to amino acids 51-181 of Human Synaptotagmin VII.
Positive control	Synaptotagmin VII-transfected HEK293T lysate; Human kidney tissue.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

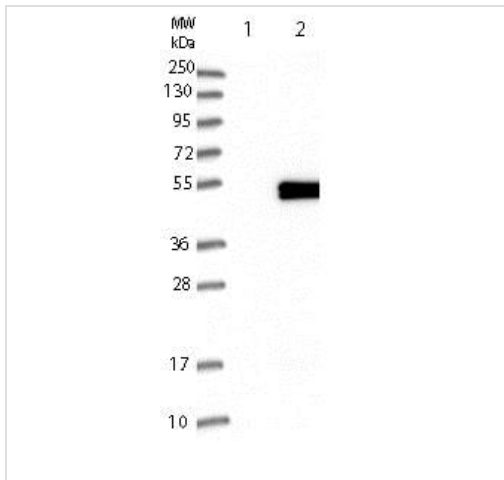
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab121383 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/20 - 1/50. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		Use a concentration of 0.04 - 0.4 µg/ml.

Target

Function	May be involved in Ca(2+)-dependent exocytosis of secretory vesicles through Ca(2+) and phospholipid binding to the C2 domain or may serve as Ca(2+) sensors in the process of vesicular trafficking and exocytosis.
Tissue specificity	Expressed in a variety of adult and fetal tissues.
Sequence similarities	Belongs to the synaptotagmin family. Contains 2 C2 domains.
Domain	The second C2 domain/C2B is responsible for SYNCRIP binding.
Cellular localization	Cytoplasmic vesicle > secretory vesicle > synaptic vesicle membrane.

Images



Western blot - Anti-Synaptotagmin VII antibody (ab121383)

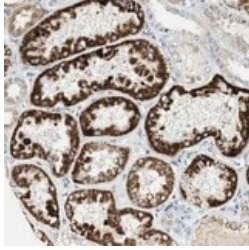
All lanes : Anti-Synaptotagmin VII antibody (ab121383) at 1/250 dilution

Lane 1 : vector only transfected HEK293T lysate

Lane 2 : Synaptotagmin VII-transfected HEK293T lysate (Co-expressed with a C-terminal myc-DDK tag (~3.1 kDa))

Developed using the ECL technique.

10-20% SDS PAGE



ab121383 at 1/25 dilution staining Synaptotagmin VII in Paraffin-embedded Human kidney tissue by Immunohistochemistry, showing strong cytoplasmic positivity, with a granular pattern, in cells in tubules.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Synaptotagmin VII antibody (ab121383)

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