


Product datasheet

Anti-SYN2 antibody [EPR3277] ab76494

Recombinant RabMAb

[11 References](#) [3 Images](#)

Overview

Product name	Anti-SYN2 antibody [EPR3277]
Description	Rabbit monoclonal [EPR3277] to SYN2
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P Unsuitable for: Flow Cyt, ICC/IF or IP
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide within Human SYN2 aa 500-600. The exact sequence is proprietary. (Peptide available as ab177842)
Positive control	WB: fetal brain cell lysate; IHC-P: human brain tissue;
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</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: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
Purity	Protein A purified
Clonality	Monoclonal

Clone number	EPR3277
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab76494 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

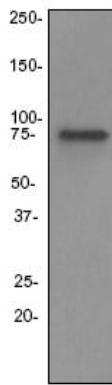
Application	Abreviews	Notes
WB		1/5000 - 1/20000. Predicted molecular weight: 63 kDa. Can be blocked with SYN2 peptide (ab177842) .
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Application notes Is unsuitable for Flow Cyt, ICC/IF or IP.

Target

Function	Neuronal phosphoprotein that coats synaptic vesicles, binds to the cytoskeleton, and is believed to function in the regulation of neurotransmitter release. May play a role in noradrenaline secretion by sympathetic neurons.
Tissue specificity	Central and peripheral nervous systems.
Sequence similarities	Belongs to the synapsin family.
Domain	The A region binds phospholipids with a preference for negatively charged species.
Post-translational modifications	Phosphorylation at Ser-10 dissociates synapsins from synaptic vesicles. Phosphorylation at Ser-425 by MAPK1/ERK2 and/or MAPK3/ERK1 may play a role in noradrenaline secretion by sympathetic neurons.
Cellular localization	Cell junction, synapse.

Images



Western blot - Anti-SYN2 antibody [EPR3277]
(ab76494)

Anti-SYN2 antibody [EPR3277] (ab76494) at 1/20000 dilution +
Fetal brain tissue lysate at 10 µg

Secondary

HRP labelled goat anti-rabbit at 1/1000 dilution

Predicted band size: 63 kDa

Observed band size: 75 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-
embedded sections) - Anti-SYN2 antibody
[EPR3277] (ab76494)

Immunohistochemical analysis of paraffin-embedded human brain
tissue using 1/100 ab76494

Perform heat mediated antigen retrieval with EDTA buffer pH 9
before commencing with IHC staining protocol.

Why choose a recombinant antibody?



**Research with
confidence**
Consistent and
reproducible results



**Long-term and
scalable supply**
Recombinant
technology



**Success from the
first experiment**
Confirmed
specificity



**Ethical standards
compliant**
Animal-free
production

Anti-SYN2 antibody [EPR3277] (ab76494)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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