

Product datasheet

Anti-SYN4 antibody [EPR8707] ab133767

Recombinant RabMAb

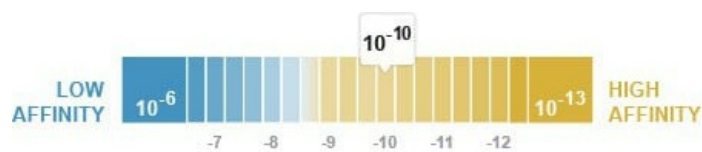
3 Images

Overview

Product name	Anti-SYN4 antibody [EPR8707]
Description	Rabbit monoclonal [EPR8707] to SYN4
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: IHC-P or IP
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide within Human SYN4 aa 1-100. The exact sequence is proprietary.
Positive control	Mouse brain, Rat brain and Human fetal brain lysates.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Dissociation constant (K_D)	K _D = 1.37 x 10 ⁻¹⁰ M



[Learn more about K_D](#)

Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture
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	supernatant
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR8707
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab133767 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		1/1000 - 1/10000. Detects a band of approximately 50 kDa (predicted molecular weight: 58 kDa).

Application notes Is unsuitable for IHC-P or IP.

Target

Function Adapter protein that binds to and probably organizes the subcellular localization of a variety of proteins. May link various receptors to the actin cytoskeleton and the dystrophin glycoprotein complex (By similarity). May participate in regulating the subcellular location of diacylglycerol kinase-zeta to ensure that diacylglycerol is rapidly inactivated following receptor activation.

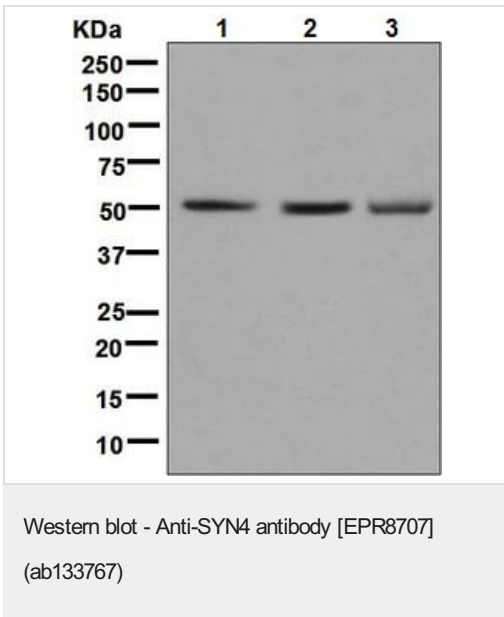
Tissue specificity Brain specific. In CNS, it is expressed in the perikaryon and proximal portion of the neuronal processes. Strong expression in the hippocampus, neuron-rich dentate granule cells, and pyramidal cell layers. Highly expressed in neurons of the cerebral cortex. Also expressed in the cerebellar cortex, deep cerebellar nuclei, thalamus, and basal ganglia. No expression in muscle cells.

Sequence similarities Belongs to the syntrophin family.
Contains 1 PDZ (DHR) domain.
Contains 1 PH domain.

Domain The PDZ domain binds to the last three or four amino acids of DGKZ. The association with dystrophin or related proteins probably leaves the PDZ domain available to recruit proteins to the membrane.

Cellular localization Cytoplasm > cytoskeleton. Nucleus. Mainly cytoplasmic and weakly nuclear.

Images



All lanes : Anti-SYN4 antibody [EPR8707] (ab133767) at 1/1000 dilution

Lane 1 : Mouse brain lysate

Lane 2 : Rat brain lysate

Lane 3 : Human fetal brain lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP labelled Goat anti Rabbit IgG at 1/2000 dilution

Predicted band size: 58 kDa

OI-RD Scanning - Anti-SYN4 antibody [EPR8707] (ab133767)

Equilibrium disassociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Anti-SYN4 antibody [EPR8707] (ab133767)

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

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