


Product datasheet

Anti-ABI2 antibody [EPR7069] α b133593

Recombinant RabMAb

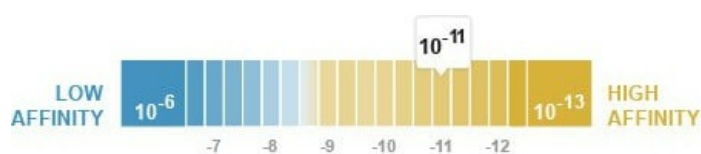
5 Images

Overview

Product name	Anti-ABI2 antibody [EPR7069]
Description	Rabbit monoclonal [EPR7069] to ABI2
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P Unsuitable for: Flow Cyt or IP
Species reactivity	Reacts with: Rat, Human Predicted to work with: Mouse 
Immunogen	Synthetic peptide within Human ABI2 aa 350-450. The exact sequence is proprietary.
Positive control	K562, PC12, HeLa and SH-SY5Y cell lysates; Human testis and brain tissue
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)	$K_D = 9.20 \times 10^{-11}$ M



[Learn more about \$K_D\$](#)

Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide
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	Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR7069
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab133593 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

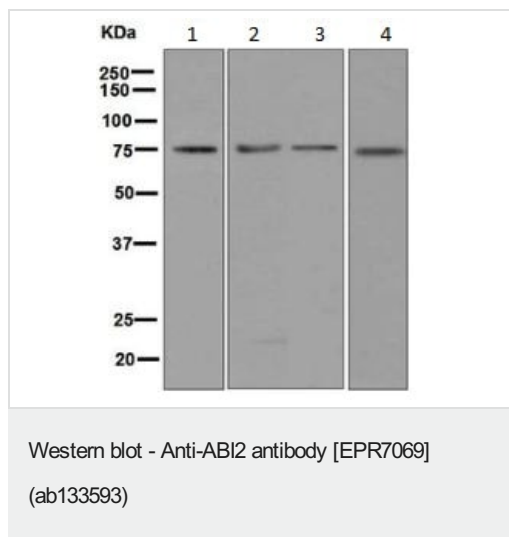
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Predicted molecular weight: 56 kDa.
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Application notes Is unsuitable for Flow Cyt or IP.

Target

Function	May act in regulation of cell growth and transformation by interacting with nonreceptor tyrosine kinases ABL1 and/or ABL2. Part of the WAVE complex that regulates lamellipodia formation. The WAVE complex regulates actin filament reorganization via its interaction with the Arp2/3 complex. Regulates ABL1/c-Abl-mediated phosphorylation of MENA.
Sequence similarities	Belongs to the ABI family. Contains 1 SH3 domain. Contains 1 t-SNARE coiled-coil homology domain.
Post-translational modifications	Is a substrate for ABL1.
Cellular localization	Cytoplasm and Cell projection > lamellipodium. Cell projection > filopodium. Cytoplasm > cytoskeleton. Isoform 1 but not isoform 3 is localized to protruding lamellipodia and filopodia tips.

Images



All lanes : Anti-ABI2 antibody [EPR7069] (ab133593) at 1/1000 dilution

Lane 1 : K562 cell lysate

Lane 2 : PC-12 cell lysate

Lane 3 : HeLa cell lysate

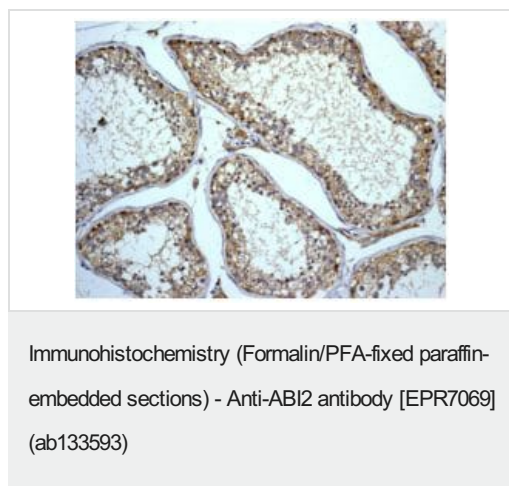
Lane 4 : SH-SY5Y cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

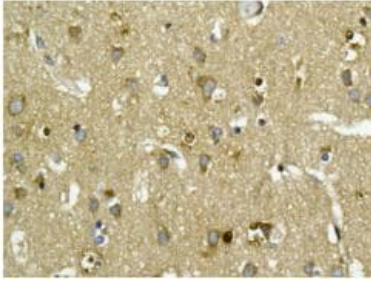
All lanes : HRP labeled goat anti-rabbit IgG at 1/2000 dilution

Predicted band size: 56 kDa



Immunohistochemical analysis of paraffin-embedded Human testis tissue labelling ABI2 with ab133593 at 1/100 dilution.

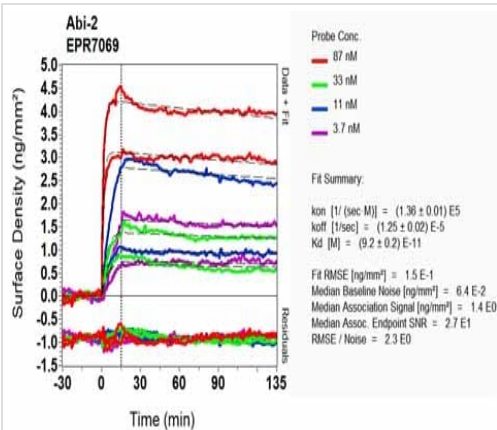
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemical analysis of paraffin-embedded Human brain tissue labelling ABI2 with ab133593 at 1/100 dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ABI2 antibody [EPR7069] (ab133593)



Equilibrium disassociation constant (K_D)

Learn more about K_D

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

OIR-D Scanning - Anti-ABI2 antibody [EPR7069] (ab133593)

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-ABI2 antibody [EPR7069] (ab133593)

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

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