

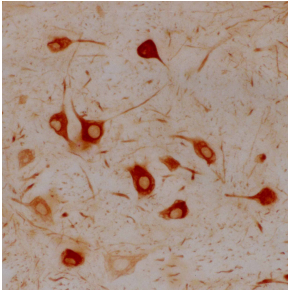
## Anti-alpha Internexin Antibody [2E3] (A85448)

### Specifications:

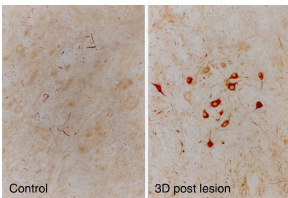
Name:	Anti-alpha Internexin Antibody [2E3]
Description:	Mouse monoclonal (2E3) antibody to alpha Internexin.
Applications:	WB, ICC/IF, IHC
Recommended Dilutions:	WB: 1:10,000, ICC/IF: 1:5,000, IHC: 1:5,000
Reactivity:	Human, Rat, Mouse, Bovine
Immunogen:	Recombinant full-length rat alpha Internexin, expressed in and purified from E. coli.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	2E3
Isotype:	IgG1
Conjugate:	Unconjugated
Purification:	Immunogen affinity purification.
Concentration:	1 mg/ml
Molecular Weight:	64-66 kDa (by SDS-PAGE)
Product Form:	Liquid
Formulation:	Supplied in Phosphate Buffered Saline with 50% Glycerol and 5mM Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

## Anti-alpha Internexin Antibody [2E3] (A85448)

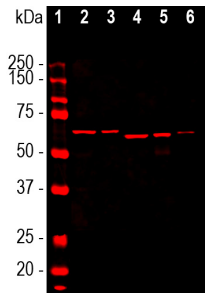
### Images:



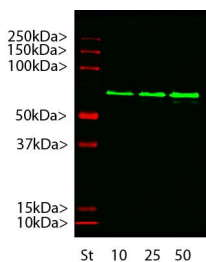
Immunohistochemistry of a section of rat facial nucleus 7 days following axotomy using Anti-Alpha-Internexin Antibody. These neurons are capable of regenerating their axons and also, concomitant with regeneration, strongly upregulate  $\alpha$ -internexin in their perikarya. Other central neurons which are not able to regenerate their axons do not upregulate this protein after axotomy and untreated facial neurons normally show only very low levels of  $\alpha$ -internexin. Both findings suggest that  $\alpha$ -internexin has a role in axonal regeneration.



Rat facial nucleus before (left) and after (right) facial nerve lesion. Note the profound upregulation of  $\alpha$ -internexin in the facial nucleus motor neurons.



Western blot analysis of different tissue lysates using Anti-alpha Internexin Antibody [2E3] (A85448), at a dilution of 1:10,000, in red. The lanes contain samples of: [1] Protein standards, in red, [2] rat brain, [3] rat spinal cord, [4] mouse brain, [5] mouse spinal cord, and [6] cow spinal cord lysates. The Anti-alpha Internexin Antibody [2E3] (A85448) reveals the alpha Internexin protein with an apparent molecular weight of 64-66 kDa, with some variability between species.



Western blot of Anti-Alpha-Internexin Antibody on recombinant full length human  $\alpha$ -internexin at a range of concentrations from 10ng, 25ng and 50ng per gel lane as indicated. Note the strong signal even in the lane containing only 10ng of protein. The "St" lane contains SDS-PAGE molecular weight standards of the indicated size.