

a-II spectrin Antibody

a-II spectrin, Monoclonal Antibody, Mouse

CATALOG # AAA76432	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot, Immunofluorescence
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PRODUCT SYNONYMS

a-II spectrin; Monoclonal Antibody; Mouse; anti-a-II spectrin antibody

PRODUCT SPECIFICATIONS

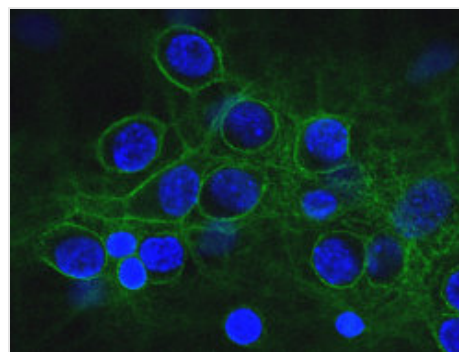
Reactivity	Human, Mouse, Rat
Form/Format	Affinity Purified - Liquid
Applicable Applications for anti-a-II spectrin antibody	WB (Western Blot), IF (Immunofluorescence)
Type Info	Mouse IgG
Immunogen	Recombinant protein construct containing the 7th, 8th and 9th spectrin repeats of human alpha-II spectrin (amino acids 676-1043. This construct was expressed in and purified from E Coli.

IMAGES



Application Data

Image: Western blots of extract of bovine spinal cord. A prominent band running at 240kDa represents the intact alpha-II spectrin heavy chain. Protocol on data-sheet..



Application Data

Image: Mixed neuron-glia cultures stained with alpha-II spectrin (green) and counterstained for DNA (blue). The alpha-II spectrin antibody stains numerous axonal and dendritic profiles in these cultures, and this image shows an optical section through a group of neuronal cell bodies. The antibody clearly reveals the submembrane cytoskeleton. Since alpha-II spectrin is specific for neurons in the CNS, the glial cells in this culture are not recognized. This antibody also reveals the submembrane cytoskeleton of the axon. Protocol on data-sheet.

ADDITIONAL INFORMATION

Related Product Information for anti-a-II spectrin antibody	The spectrin family of proteins were originally discovered as major components of the submembrane cytoskeleton of osmotically lysed red blood cells. Work by Levine and Willard described a pair of about ~240-260kDa molecular weight bands which were transported at the slowest rate along mammalian axons. They named these proteins "fodrin" as antibody studies showed that they were localized in the sheath under the axonal membrane, but not in the core of the axon.
Product Categories/Family for anti-a-II spectrin antibody	Antibodies ; Neuronal-Glia Markers ; Neuron/Synapse Markers ; alpha-II-spectrin/alpha-Fodrin

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-mouse-rat-antibody/a-ii-spectrin/76432>