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## 34-1109: Polyclonal Antibody to Alpha-II spectrin (Discontinued)

Clonality: Polyclonal Application: WB,IF/ICC,IHC

**Reactivity:** Human, Bovine, Pig, Mouse, Rat

Gene: SPTAN1
Gene ID: 6709
Uniprot ID: Q13813
Format: Sera

Alternative Name: Alpha-II spectrin, Fodrin alpha chain, Spectrin, non-erythroid alpha subunit

**Isotype:** Rabbit, IgG

Immunogen Information: The antibody was raised against a mix of five recombinant constructs containing the entire C-

terminal region of human alpha-II spectrin (amino acids 676-2,400).

## **Product Info**

Amount: 100 µl

**Content:** Antibody is supplied as an aliquot of serum.

**Storage condition :** Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid

repeated freeze and thaw cycles.

## **Application Note**

Western blot: 1:5,000-1:10,000. ICC/IF and IHC: 1:500-1:1,000.

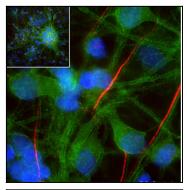


Figure 1: Mixed neuron-glial cultures stained with rabbit antibody to alpha-II spectrin (green) and mouse polyclonal antibody to Nestin (red). The alpha-II spectrin antibody stains numerous axonal and dendritic profiles in these cultures, clearly revealing the submembraneous cytoskeleton. Since alpha-II spectrin is specific for neurons in the CNS, the glial cells in this culture are not recognized by this antibody.

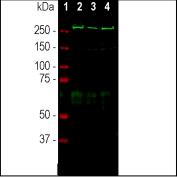


Figure 2: Western blots of mouse sciatic nerve extract (lanes 1 and 2) and brain homogenate (3). A prominent band running at 240kDa respresents the intact alpha-II spectrin heavy chain. More minor bands below this likely represent in vivo proteolytic fragments of alpha-II spectrin.