Anti-Fractin
A marker of apoptosis

Catalog Number: 592-FRAC  Size: 100 µL

Product Description: Rabbit polyclonal antibody

Applications:  WB: 1:1,000  IHC: 1:100

Antigen: Synthetic peptide taken from the C terminus of the 32-kDa actin fragment.

Species reactivity: The antibody has been directly tested for reactivity in human and rat.

Biological Significance: Fractin (fragment of actin) is a caspase-specific cleavage product of actin and serves as a novel marker of apoptosis-related events. The antibody has been shown to detect the processes and cell bodies of degenerating neurons and plaque-associated microglia in Alzheimer’s disease (Yang et al., 1998). It has recently been reported that Fractin may have a functional role in apoptotic signaling in oligodendrocytes (Schulz, R., et al., Glia, 2009, in press).

Western blot of colchicine treated Sy5y cell lysate showing specific immunolabeling of the ~ 32k cleaved actin fragment (fractin).

Purification Method: neat serum.

Antibody Specificity: Specific for the ~ 32 kDa fractin protein in Western blots with no reactivity to intact actin. There is often a ladder of smaller bands in cells or culture or in vivo preparations due to further degradation by other proteases.
**Quality Control Tests:** Western blots performed on each lot.

**References:**


