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 (Yang, F et al., 1998)

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).

[Western blot image]

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.
In immunohistochemistry the antibody detects the processes and cell bodies of degenerating neurons and plaque-associated microglia in Alzheimer's disease.

**Quality Control Tests:** Western blots performed on each lot.

**Product Specific References:**


**General references:**