Anti-Fractin Antibody
A marker of apoptosis

Catalog #: 592-FRAC  Size: 100 µl

<table>
<thead>
<tr>
<th>Host</th>
<th>Applications</th>
<th>Species Tested</th>
<th>Species Reactivity*</th>
<th>Molecular Reference</th>
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<tr>
<td>Rabbit</td>
<td>WB 1:1000</td>
<td>H, R</td>
<td>~32 kDa</td>
<td></td>
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<tr>
<td></td>
<td>IHC 1:100</td>
<td>(Yang et al., 1998)</td>
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**Product Description:** Rabbit polyclonal antibody.

**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).

**Antigen:** Synthetic peptide taken from the C terminus of the ~32 kDa human actin fragment.

**Antibody Specificity:** Specific for endogenous levels of the ~32 kDa fractin protein. Shows no reactivity toward 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 IHC the antibody detects the processes and cell bodies of degenerating neurons and plaque-associated microglia in Alzheimer’s disease.

**Purification Method:** Neat Serum.

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

**Packaging:** 100 µl neat serum.

**Storage and Stability:** Shipped on blue ice. Store at –20°C in undiluted aliquots; stable for at least 1 year. Avoid freeze/thaw cycles.

Western blot of colchicine treated Sy5y cell lysate showing specific immunolabeling of the ~32 kDa cleaved actin fragment (fractin).
Product Specific References:


General References: