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Fractin A marker of apoptosis Antibody
Rabbit polyclonal antibody
Catalog # AN1186

Specification

Fractin A marker of apoptosis Antibody - Product Information

Application	**WB**
Reactivity	**Human, Rat**
Host	**Rabbit**
Clonality	**polyclonal**
Calculated MW	**32 KDa**

Fractin A marker of apoptosis Antibody - Additional Information

Gene Name **fragment of Actin**

Target/Specificity
Synthetic peptide corresponding to amino acid residues from the C terminal region of the 32-kDa actin fragment.

Dilution
WB~~ 1:1000

Format
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.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Fractin A marker of apoptosis Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Shipping
Blue Ice

Fractin A marker of apoptosis Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

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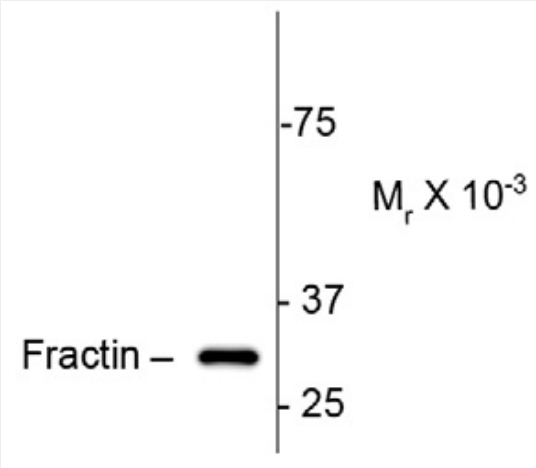
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Fractin A marker of apoptosis Antibody - Images



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

Fractin A marker of apoptosis Antibody - Background

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).

Fractin A marker of apoptosis Antibody - References

Yang, F, et al., Antibody to Caspase-Cleaved Actin Detects Apoptosis in Differentiated Neuroblastoma and Plaque-Associated Neurons and Microglia in Alzheimer's disease. American Journal of Pathology, 1998, Vol. 152, No. 2, p. 379-389.
Rossiter, JP, et al., Caspase-cleaved actin (fractin) immunolabeling of Hirano bodies. Neuropathol Appl Neurobiol. 2000 Aug; 26(4):342-6.
Asamec, E, et al., Multiple-label immunocytochemistry for the evaluation of nature of cell death in experimental models of neurodegeneration. Brain Res Protoc. 2001 Jul;7(3):193-202.
Chen, TA, et al., Inhibition of caspase-3-like activity reduces glutamate induced cell death in adult rat retina. Brain Res. 2001 Jun 15;904(1):177-88.
Rossiter, JP, et al., Caspase-3 activation and caspase-like proteolytic activity in human perinatal hypoxic-ischemic brain injury. Acta Neuropathol. 2002 Jan;103(1):66-73.