MÉDIMABS
ANTIBODY SPECIALIST

Product datasheet

ALPHA-TUBULIN CLEAVED BY CASPASE-6 RABBIT POLYCLONAL ANTIBODY

SKU: MM-0143

50 µL

OVERVIEW

Clonality:
Polyclonal

Host:
Rabbit

Reactivity:
Bovine, Mouse, Human

Application:
IHC, WB

Target:
Tubulin cleaved by caspase-6

Target background:
Tubulin is the major constituent of microtubules. Microtubules are assembled from dimers of α- and β-tubulin. α-Tubulin cleaved by caspase-6 can be found in neurons, neurofibrillary tangles, neutrophil threads, and neuritic plaques in Alzheimer disease. α-Tubulin has been found to associate with the axonal microtubule-associated protein Tau, indicating that the cleavage of the functional α-Tubulin C-terminal domain by caspase-6 could alter the state of microtubules in neurons.

Target alias:
α-Tubulin cleaved by casp 6

Immunogen:
EEVGVD peptide

Specificity:
The antibody recognizes the sequence (EEVGVD) in tubulin protein. It is specific for Caspase 6 cleaved α-Tubulin. The antibody was tested in IHC and western blots of samples with Alzheimer disease (AD) (Bovine brain sample, human samples, cells lines, mice hippocampus and whole brains). When tested in null mice with IHC and WB, no immunoreactivity was observed.

Clone ID:

Preservative:
None

Format:
Lyophilized serum

Recommend starting dilution:
If reconstituted with deionized water in 50 µl: WB 1:1000; IHC 1:1000. Optimal dilution has to be determined by the user.

Limitations:
Research Use Only

References:
1.-Klaiman G - Targets of caspase-6 activity in human neurons and Alzheimer disease.

Storage:
Lyophilized antibodies can be kept at 4°C for up to 3 months and should be kept at -20°C for long-term storage (2 years). To avoid freeze-thaw cycles, reconstituted antibodies should be aliquoted before freezing for long-term (1 year) storage (-80°C) or kept at 4°C for short-term usage (2 months). For maximum recovery of product, centrifuge the original vial prior to removing the cap. Further dilutions can be made with the assay buffer. After the maximum long-term storage period (2 years lyophilized or 1 year reconstituted) antibodies should be tested in your assay with a standard sample to verify if you have noticed any decrease in their efficacy.

Image: