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This product is **for research use only** (not for diagnostic or therapeutic use) **contact: support@agrisera.com**

Agrisera AB | Box 57 | SE-91121 Vännäs | Sweden | +46 (0)935 33 000 | www.agrisera.com

Product no AS21 4570

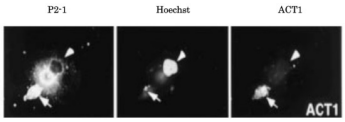
Anti-APP-C31 | Caspase 3 cleaved APP, C terminal fragment

Product information

Immunogen	Synthetic peptide corresponding to the N-terminal of human caspase 3-generated APP C-terminal 31 amino acids (aa 665-670) UniProt: P05067
Host	Rabbit
Purity	Serum. Contains 0.05% sodium azide.
Format	Liquid
Quantity	100 µl
Reconstitution	For reconstitution, add µl of sterile water
Storage	Store at -20°C; make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

Application information

Recommended dilution	1::500 - 1: 1000 (IL), 1:1000-1:3000 (WB)
Expected | apparent MW	86.9 | 100 kDa
Confirmed reactivity	Human, Mouse, Rat
Predicted reactivity	Species of your interest not listed? Contact us
Selected references	Nishimura et al. (2002) Cell death induced by a caspase-cleaved transmembrane fragment of the Alzheimer amyloid precursor protein. Cell Death Differ. 2002 Feb;9(2):199-208. doi: 10.1038/sj.cdd.4400931. PMID: 11840170.



Sample: NT2 neurons
Fixation: 72 h after infection with adenovirus vector expressing Amyloid Precursor Protein Anti-APP-C31 antibody was used in dilution 1: 1000.
Left image: stained for the N-terminus of APP with P2-1, mouse monoclonal antibody specific for N-terminus of APP.
Center image: stained for chromosomal DNA (Hoechst). Right image: stained for C-terminus of the caspase 3 cleaved APP with anti-APP-C31 antibody (ACT1).
Most of APP-accumulating neurons with shrunken and fragmented nuclei contain ACT1-immunoreactivity (arrows), but non-neuronal cells are hardly labeled with ACT1 (arrowheads).

The tissue was fixed with 4 % formaldehyde and permalized with acetone at -20ºC, followed by blocking with 4 % non-fat milk and 5 % goat normal serum at 4°C/ON. Primart antibody was incubated at 1: 1000 1h/RT.