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

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Product no AS21 4571

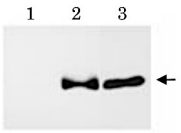
APP Delta C31 (C-terminal)

Product information

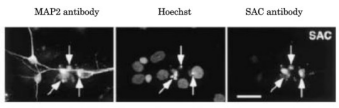
Immunogen	KLH-conjugated synthetic peptide corresponding to the C-terminal of the caspase 3-cleaved human APP (aa 658-664 of human APP695) UniProt: P05067
Host	Rabbit
Purity	Serum. Contains 0.05 % sodium azide.
Format	Liquid
Quantity	100 µl
Storage	Store at -20°C; make aliquots to avoid repeated freeze-thaw 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 (Immunocytochemistry), 1:1000 - 1: 3000 (WB)
Expected | apparent MW	86,9 | 96 kDa
Confirmed reactivity	Human, mouse, rat
Predicted reactivity	Species of your interest not listed? Contact us
Selected references	Nishimura et al (2003). Upregulation and antiapoptotic role of endogenous Alzheimer amyloid precursor protein in dorsal root ganglion neurons. Exp Cell Res. 2003 Jun 10;286(2):241-51. doi: 10.1016/s0014-4827(03)00066-1. PMID: 12749853. 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.



Human NT2 neurons (neurally differentiated human NT2 embryonic carcinoma cells) were infected with adenovirus vector expressing beta-galactosidase **(1)**, wild-type APP **(2)** or APPdelta C31 **(3)**. Cell lysates were prepared 48 h after infection, and proteins were analysed by Western blotting. Neurons overexpressing wild-type APP contained a 96 kD SAC-immunoreactive fragment which was also detected in APP delta C31-overexpressing neurons.



Neurally differentiated NT2 cells were cultured for 96 h in the absence of fetal calf serum. Cells were triply labeled for MAP2, the neuronal marker microtubule-associated protein 2 (MAP2), chromosomal DNA (Hoechst), and APP delta C31 (SAC). MAP2-immunopositive neurons with apoptotic nuclei (arrows) are intensively labelled with anti-APP delta C31 antibodies. The cells were fixed with 4 % formaldehyde and blocked with 4 % non-fat milk and 5 % goat normal serum at 4°C/ON.