APP (PTR2007) Mouse Monoclonal Antibody

Catalog# UZ-PA00785

Product information

产品货号	UZ-PA00785
别名	A4;AD1
产品名称	APP (PTR2007) Mouse Monoclonal Antibody
类别	抗体产品
基因名称	APP
推荐应用	WB,IF-P,IF-F,IF-ICC,ELISA
反应种属	Human (predicted: Mouse, Rat)
存储缓冲液	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N .
Human Gene ID	351
Human Swissprot No.	P05067
稀释度	WB 1:500-2000, IF-P/IF-F/IF-ICC 1:100-500, ELISA 1:1000-5000
参考分子量	87kDa
运输及保存条件	-15°C to -25°C/1 year(Do not lower than -25°C)
细胞定位	Cell membrane ; Single-pass type I membrane protein . Membrane ; Single-pass type I membrane protein . Perikaryon . Cell projection, growth cone . Membrane, clathrin-coated pit . Early endosome . Cytoplasmic vesicle . Cell surface protein that rapidly becomes internalized via clathrin-coated pits. Only a minor proportion is present at the cell membrane; most of the protein is present in intracellular vesicles (PubMed:20580937). During maturation, the immature APP (N-glycosylated in the endoplasmic reticulum) moves to the Golgi complex where complete maturation occurs (O-glycosylated and sulfated). After alpha-secretase cleavage, soluble APP is released into the extracellular space and the C-terminal is internalized to endosomes and lysosomes. Some APP accumulates in secretory transport vesicles leaving the late Golgi compartment and returns to the cell surface. APP sorts to the basolateral surface in epithelial cells. During neuronal differentiation, the Thr-743 phosphorylated form is located mainly in growth cones, moderately in neurites and sparingly in the cell body (PubMed:10341243). Casein kinase phosphorylation can occur either at the cell surface or within a post-Golgi compartment. Associates with GPC1 in perinuclear compartments. Colocalizes with SORL1 in a vesicular pattern in cytoplasm and perinuclear regions. .; [C83]: Endoplasmic reticulum . Golgi apparatus . Early endosome .; [C99]: Early endosome .; [Soluble APP-beta]: Secreted .; [Amyloid-beta protein 42]: Cell surface. Associates with FPR2 at the cell surface and the complex is then rapidly internalized. .; [Gamma-secretase C-terminal fragment 59]: Nucleus . Cytoplasm . Located to both the cytoplasm and nuclei of neurons. It can be translocated to the nucleus through association with APBB1 (Fe65) (PubMed:11544248). In dopaminergic neurons, the phosphorylated Thr-743 form is localized to the nucleus (By similarity). .
Clonality	Monoclonal