



Mouse monoclonal antibody to Growth-associated protein 43 (GAP-43) [GAP-8A12]: IgG

Catalogue No.:	M-980-100
Description:	GAP-43 is expressed by developing and regenerating neurons, and to a lesser extent, reactive glial cells. It is also a major component of neuronal growth cones. GAP-43 is used to specifically label injured neurons and to score neuronal regeneration. This antibody reacts with the three known isoforms and to both kinase C phosphorylated and dephosphorylated forms of GAP-43.
Batch No.:	See product label
Unit size:	100 ug
Antigen:	GAP-43 protein from neonatal rat forebrain membranes
Clone:	GAP-8A12
Other Names:	Neuromodulin; GAP43; PP46; p57; B-50; F1; Axonal membrane protein GAP-43; Growth-associated protein 43; Neural phosphoprotein B-50;
Accession:	P07936 NEUM_RAT; P17677 NEUM_HUMAN
Produced in:	Mouse
Purity:	IgG
Applications:	Immunohistochemistry (IHC) and Western Blotting (WB). A concentration of 0.5-1.0 ug/mL is recommended for WB. Human GAP-43 has a predicted length of 238 residues and MW of 25 kDa. A concentration of 1.0-2.0 ug/mL is recommended to detect GAP-43 in formalin fixed and paraffin embedded tissues as well as formalin/acetone fixed tissues. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	The specificity of this antibody has been confirmed by WB and IHC against the antigen.
Cross-reactivity:	Human; mouse; rat; chicken; snake
Form:	Lyophilized from 1.2% sodium acetate, 2mg BSA, 0.01mg NaN3
Reconstitution:	Reconstitute in 1 mL of PBS (pH 7.4) to achieve an antibody concentration of 100 ug/mL. Centrifuge to remove any insoluble material.
Storage:	At least 12 months after purchase at 2-8C (lyophilized formulations). After reconstitution, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles.
Expiry Date:	12 months after purchase.

FOR RESEARCH USE ONLY