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Anti-GAP43 Rabbit mAb [73A65]

Catalog No.: A52126

Basic Information

Catalog No. (Cat.No.)	A52126
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IP,IF,ELISA
Synonyms	GAP43,GAP-43,B-50,GAP-43,F-24,neuromodulin

Product Information

Target	GAP43
Molecular Weight(Calculated)	25 kDa
Molecular Weight(Observed)	48 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	73A65
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:2000-1:10000
IHC	1:200-1:1000
IP	1:50-1:200
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Growth-associated protein-43
Gene Name	*GAP43*
Domain	NA
Background	GAP43 (Growth-Associated Protein 43) is a core molecule of the nerve-specific phosphorylated protein family, specifically expressed in neurons of the central and peripheral nervous systems. It mainly participates in neurite growth, synaptic remodeling, neural development and nerve injury repair. By regulating neuronal cytoskeleton remodeling, GAP43 promotes axon extension and synaptic structure renewal, maintaining normal nervous system development and nerve signal conduction. Its expression is significantly upregulated under pathological conditions such as nerve injury, cerebral ischemia and neuroinflammation to mediate nerve repair and regeneration, while abnormal inhibition of GAP43 leads to neural dysplasia and nerve repair disorders.