

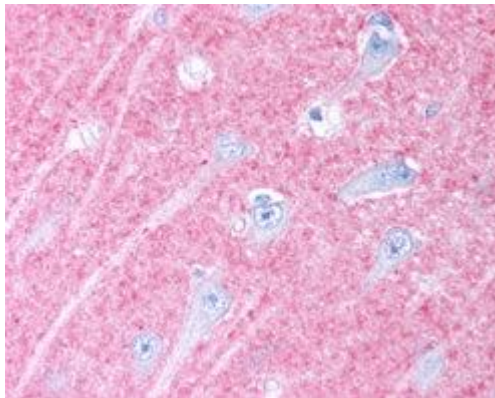


Catalog Number:	RA25086	Host:	Rabbit
Product Type:	Affinity Purified Antibody	Species Reactivity:	Human, Rat, Mouse
Immunogen Sequence:	Phosphopeptide corresponding to amino acid residues surrounding the phospho-S41 of GAP-43	Format:	Liquid-PBS with 0.05% Sodium Azide. Concentration: 1 mg/ml.
Applications:	Western blot- 0.1-1.0 ug/ml Imunohistochemistry- 1-2 ug/ml Immonofluorescence- 1-2 ug/ml		
	*Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.		
Storage:	Store frozen. Aliquot as undiluted antisera and immediately place at -20°C. Antisera may have become trapped in top of vial during shipping. Centrifugation of vial is recommended before opening. Stable for at least 6 months at -20°C. Repeated freeze/thaw cycles compromise the integrity of the antiserum.		
References:	1. Karns, L.R. et al. (1987) Science 236:597. 2. Spencer, S.A. et al. (1992) J. Biol. Chem. 267:9059. 3. He, Q. et al. (1997) J. Neurosci. 17:3515.		

Application Notes

This antibody is useful for Western analysis where it recognizes a band at 43 kDa. GAP43 is a proven marker for developing and regenerating neurons, and to a lesser extent, reactive glial cells. It is used widely to specifically label injured neurons and to score neuronal regeneration.

Image: GAP43 staining of region CA1-CA4 of the hippocampus. Note intenses staining of cell processes.



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