

Datasheet for ABIN1897539  
**anti-GAP43 antibody (AA 216-226)**



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1 Image

## Overview

Quantity:	100 µL
Target:	GAP43
Binding Specificity:	AA 216-226
Reactivity:	Rat, Mouse
Host:	Chicken
Clonality:	Polyclonal
Conjugate:	This GAP43 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC)

## Product Details

Immunogen:	C-terminal peptide of rat and mouse GAP43, which is KEDPEADQEHA, to which an N terminal Cysteine residue was added to allow chemical coupling to KLH carrier protein. The corresponding C-terminal peptide in the human GAP43 sequence is KGEEREADQEHA, which is similar enough that our antibody binds to this also. Percent identity by BLAST analysis: Mouse, Rat (100%), Human, Chimpanzee, Rabbit (82%).  Type of Immunogen: Synthetic peptide
Isotype:	IgY
Specificity:	Mouse and rat GAP43.
Purification:	Purified

## Target Details

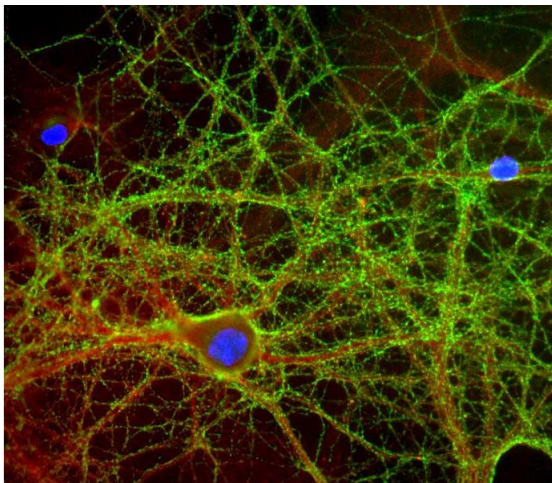
Target:	GAP43
Alternative Name:	GAP43 ( <a href="#">GAP43 Products</a> )
Background:	Name/Gene ID: GAP43 Family: Neuromodulin  Synonyms: GAP43, Axonal membrane protein GAP-43, B-50, Growth associated protein 43, Growth-associated protein 43, Neural phosphoprotein B-50, Neuromodulin, PP46, GAP-43, Protein F1
Gene ID:	2596

## Application Details

Application Notes:	Approved: ICC (1:500 - 1:1000), IF (1:500 - 1:1000), WB (1:1000 - 1:5000)  Usage: The IgY solution can be diluted to 1:500-1:1000 for immunofluorescence staining and 1:1000-1:5000 for western blotting. On western blots look for a major band at 43 kDa, depending on the species.
Comment:	Target Species of Antibody: Rat
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C, -20 °C
Storage Comment:	4°C or -20°C, Avoid freeze-thaw cycles.



#### Immunocytochemistry

**Image 1.** Mixed neuron-glia cultures stained with GAP43 antibody (green) and rabbit antibody to alpha-II spectrin (red), and DNA (blue). The GAP43 antibody stains numerous axonal and dendritic profiles in these cultures, clearly revealing the submembranous cy ...