

## Product datasheet for **AP23239PU-N**

### **GAP43 (C-term) Rabbit Polyclonal Antibody**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	IF, IHC, WB
<b>Recommended Dilution:</b>	Western blot: 1 µg/ml. Immunohistochemistry on Paraffin Sections: 1 µg/ml (By Heat).
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	A synthetic peptide corresponding to a sequence at the C-terminal of the Human GAP-43 (216-238aa), identical to the related Mouse and Rat sequences.
<b>Formulation:</b>	5 mg BSA, 0.9 mg Sodium Chloride, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05 mg Thimerosal and 0.05 mg Sodium Azide State: Aff - Purified State: Liquid purified IgG fraction
<b>Reconstitution Method:</b>	Restore with 0.2 ml of distilled water to yield a concentration of 0.5 mg/ml.
<b>Purification:</b>	Immunoaffinity Chromatography
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	growth associated protein 43
<b>Database Link:</b>	<a href="#">Entrez Gene 14432 Mouse</a> <a href="#">Entrez Gene 29423 Rat</a> <a href="#">Entrez Gene 2596 Human P17677</a>



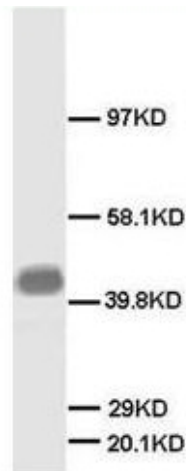
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**Background:**

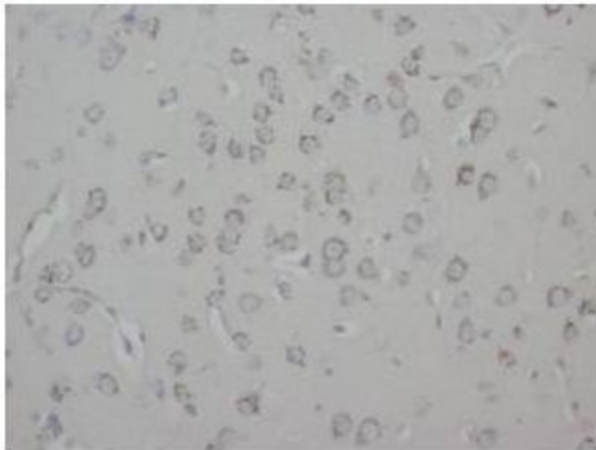
Growth Associated Protein-43(GAP-43), also known as nerve growth-related growth peptide GAP43, shares a high degree of homology between the sequence of the human gene and the rat gene. GAP-43 is considered a crucial component of an effective regenerative response in the nervous system. Somatic cell hybrids demonstrate localization of the GAP-43 gene to human chromosome 3 and to mouse chromosome 16. GAP-43 has been termed a "growth" or "plasticity" protein because it is expressed at high levels in neuronal growth cones during development and during axonal regeneration. GAP-43 regulates growth of axons and modulates the formation of new connections. thyroid carcinoma.

**Synonyms:**

Neuromodulin

**Product images:**

Western blot analysis of Rat brain tissue lysis using GAP43 antibody



Immunohistochemical analysis of Paraffin-Embedded Rat Tissue Brain Sections using GAP43 antibody