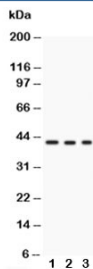


## GAP43 Antibody (R30214)

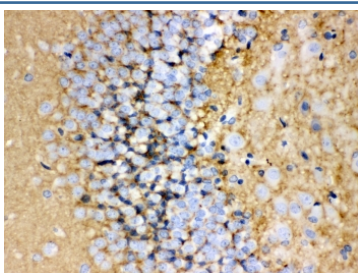
Catalog No.	Formulation	Size
R30214	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

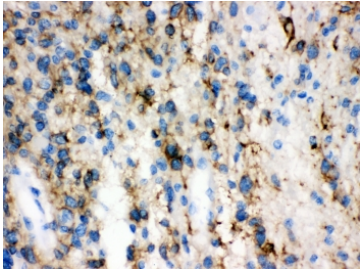
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
<b>UniProt</b>	P17677
<b>Applications</b>	Western Blot : 0.5-1ug/ml IHC (FFPE) : 0.5-1ug/ml
<b>Limitations</b>	This GAP43 antibody is available for research use only.



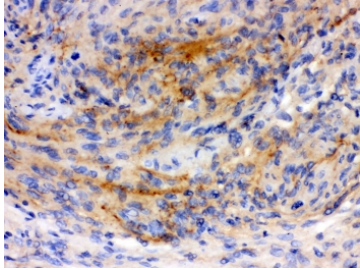
Western blot testing of GAP43 antibody and Lane 1: U87; 2: rat brain; 3: mouse brain;  
Predicted/observed molecular weight: ~43kDa.



IHC-P: GAP43 antibody testing of rat brain tissue. HIER: steamed with pH6 citrate buffer.



IHC-P: GAP43 antibody testing of human glioma tissue. HIER: steamed with pH6 citrate buffer.



IHC-P: GAP43 antibody testing of human Meninges tumor tissue. HIER: steamed with pH6 citrate buffer.

## Description

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.

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the GAP43 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

Amino acids KPKESARQDEGKEEEPEADQEHA were used as the immunogen for this GAP43 antibody.

## Storage

After reconstitution, the GAP43 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.