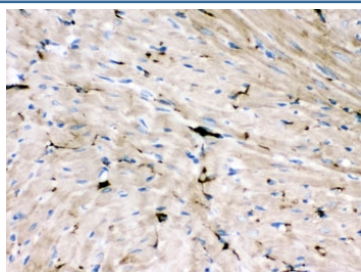


GAP43 Antibody [clone GAP-7B10] (R30037)

Catalog No.	Formulation	Size
R30037	0.5mg/ml with 1% BSA and 0.01% sodium azide if reconstituted with 0.2ml sterile 1X PBS	100 ug

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Ascites
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a
Clone Name	GAP-7B10
Purity	Ascites
Gene ID	2596
Localization	Cytoplasmic, membranous, nuclear
Applications	Western Blot : 0.5-1ug/ml IHC (FFPE) : 1-2ug/ml IHC (Frozen) : 1-2ug/ml for formalin or acetone fixed tissues
Limitations	This GAP43 antibody is available for research use only.



IHC testing of FFPE rat heart tissue with GAP43 antibody. HIER: steamed with pH6 citrate buffer, HRP-staining.

Description

GAP43 is expressed by 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. GAP43 is also a neuronal growth cone protein thought to be involved in pathfinding. GAP43 is considered to be a crucial component of an effective regenerative response in the nervous system.

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

GAP-43 from neonatal rat forebrain membranes was 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.