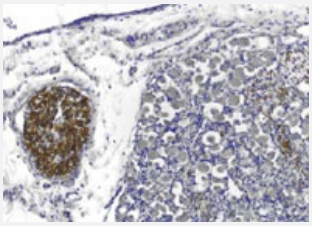
PMP22 monoclonal antibody, clone Hu1

Catalog # MAB2301 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of PMP22 on formalin fixed, paraffin embedded dorsal root ganglion and spinal roots in 20 week fetal spinal cord preparation from rhesus monkey with PMP22 monoclonal antibody, clone Hu1 (Cat # MAB2301).

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of PMP22.
Immunogen	A synthetic peptide corresponding to amino acids 120-133 at the extracellular domain of human PMP22.
Host	Mouse
Reactivity	Human, Primates
Form	Liquid
Isotype	IgG1, kappa
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris-glycine, 150 mM NaCl (0.05% sodium azide)
Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.

Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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Gene Info — PMP22

Entrez GeneID	5376
Protein Accession#	Q01453
Gene Name	PMP22
Gene Alias	CMT1A, CMT1E, DSS, GAS-3, HMSNIA, HNPP, MGC20769, Sp110
Gene Description	peripheral myelin protein 22
Omim ID	118220 118300 145900 162500 180800 601097
Gene Ontology	Hyperlink
Gene Summary	This gene encodes an integral membrane protein that is a major component of myelin in the perip heral nervous system. Various mutations of this gene are causes of Charcot-Marie-Tooth disease Type IA, Dejerine-Sottas syndrome, and hereditary neuropathy with liability to pressure palsies. Al ternative splicing of this gene results in three transcript variants that encode the same protein. [pro vided by RefSeq
Other Designations	growth arrest-specific 3

Publication Reference

- Characterization of a monoclonal antibody specific for human peripheral myelin protein 22 and its use in immunohistochemical studies of the fetal and adult nervous system.

  Gregson NA, Zhang G, Pritchard J, Wang A, Sanvito L, Hayday AC, Hughes RA.

  Journal of the Peripheral Nervous System : JPNS 2007 Mar; 12(1):2.

  Application: IF, IHC-P, WB, Human, Mouse, Cauda equinae from patients without known neurological disease, HEK 293T cells, Human, mouse nerve sections, Fetal spinal cord, roots

Disease

- Cardiovascular Diseases
- Charcot-Marie-Tooth Disease
- Deafness
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Hereditary Motor and Sensory Neuropathies
- Multiple Sclerosis
- Polyneuropathies
- Sleep Apnea