

Mouse Anti-Pgp9.5 [31A3]: MC0911, MC0911RTU7

Intended Use: For Research Use Only

Description: Protein gene product 9.5 (PGP 9.5), also known as ubiquitin carboxyl-terminal hydrolase-1 (UCH-L1), is a 27-kDa protein originally isolated from whole brain extracts (1). Although PGP9.5 expression in normal tissues was originally felt to be strictly confined to neurons and neuroendocrine cells, it has been subsequently documented in distal renal tubular epithelium, spermatogonia, Leydig cells, oocytes, melanocytes, prostatic secretory epithelium, ejaculatory duct cells, epididymis, mammary epithelial cells, Merkel cells, and dermal fibroblasts. LK PGP 9.5 has been demonstrated immunostaining of a plethora of different mesenchymal neoplasms with this antibody.

Specifications:

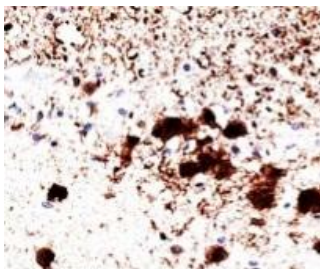
Clone: 31A3
 Source: Mouse
 Isotype: IgG1k
 Reactivity: Human, mouse, rat, cow, pig
 Immunogen: Native PGP9.5 (UchL1) protein from brain
 Localization: Cytoplasm, endoplasmic reticulum membrane
 Formulation: Antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN3)
 Storage: Store at 2°- 8°C
 Applications: IHC, ELISA, Flow Cyt., WB
 Package:

Description	Catalog No.	Size
Pgp9.5 Concentrated	MC0911	1 ml
Pgp9.5 Prediluted	MC0911RTU7	7 ml

IHC Procedure*:

Positive Control Tissue: Cerebellum, nerve tissue, small intestinal wall
 Concentrated Dilution: 50-200
 Pretreatment: Tris EDTA pH9.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
 Incubation Time and Temp: 30-60 minutes @ RT
 Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human cerebellum stained with anti-Pgp9.5 using DAB

References:

1. Essential role of maternal UCHL1 and UCHL3 in fertilization and preimplantation embryo development. Mtango NR, et al. J Cell Physiol 227:1592-603, 2012.
2. Age-related regional differences in cardiac nerve growth factor expression. Saygili E, et al. Age (Dordr) 34:659-67, 2012.
3. Essential role of ubiquitin C-terminal hydrolases UCHL1 and UCHL3 in mammalian oocyte maturation. Mtango NR, et al. J Cell Physiol 227:2022-9, 2012.
4. Abnormal innervation patterns in the anorectum of ETU-induced fetal rats with anorectal malformations. Wang W, et al. Neurosci Lett 495:88-92, 2011.

Doc. 100-MC0911
Rev. A