

**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:**

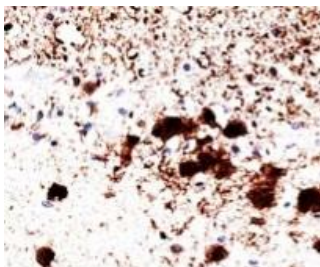
Clone: 31A3  
 Source: Mouse  
 Isotype: IgG1k  
 Reactivity: Human, mouse, rat, cow, pig  
 Localization: Cytoplasm, endoplasmic reticulum membrane  
 Formulation: Antibody in PBS pH7.4, containing BSA and  $\leq 0.09\%$  sodium azide (NaN<sub>3</sub>)  
 Storage: Store at 2°- 8°C  
 Applications: IHC, 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: Citrate pH6.0 or EDTA pH8.0, 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