



Mouse Anti-Human PGP 9.5 monoclonal antibody, clone JID758 (CABT-L2907)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	This antibody is intended for qualified laboratories to qualitatively identify by light microscopy the presence of associated antigens in sections of formalin-fixed, paraffin-embedded tissue sections using IHC test methods.
Specificity	Human PGP 9.5
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	JID758
Conjugate	Unconjugated
Applications	IHC
Reconstitution	<p>The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining.</p> <p>The concentrated antibody requires dilution in the optimized buffer, to the recommended working dilution range.</p>
Positive Control	Nerve Tissue
Format	Liquid
Size	Predilute: 7 ml, Concentrate: 100 µl, Concentrate: 1 ml
Buffer	<p>Predilute: Antibody Diluent Buffer</p> <p>Concentrate: Tris Buffer, pH 7.3 - 7.7, with 1% BSA</p>

Preservative	< 0.1% Sodium Azide
Storage	Store at 2-8°C. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction	Protein Gene Product 9.5 (PGP 9.5), also known as Ubiquitin Carboxyl-terminal Hydrolase-1 (UCHL-1), is a protein expressed in neurons and neuroendocrine cells, as well as 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. PGP 9.5 is an immunohistochemical marker for cellular neurothekeoma, a benign lesion that is typically confined to the skin and superficial dermis. Anti-PGP 9.5 is also used to stain mesenchymal neoplasms, and tumors of neuroendocrine and neuroectodermal origin.
Keywords	PGP;phosphoglycolate phosphatase;PGPase;EC 3.1.3.18;MGC4692;EC 3.1.3

GENE INFORMATION

Gene Name	PGP phosphoglycolate phosphatase [Homo sapiens (human)]
Official Symbol	PGP
Synonyms	PGP; phosphoglycolate phosphatase; PGPase;
Entrez Gene ID	283871
Protein Refseq	NP_001035830
UniProt ID	A6NDG6
Chromosome Location	16p13.3
Pathway	Glyoxylate and dicarboxylate metabolism; Metabolic pathways;
Function	magnesium ion binding; nucleotide phosphatase activity, acting on free nucleotides; phosphoglycolate phosphatase activity; protein tyrosine phosphatase activity;