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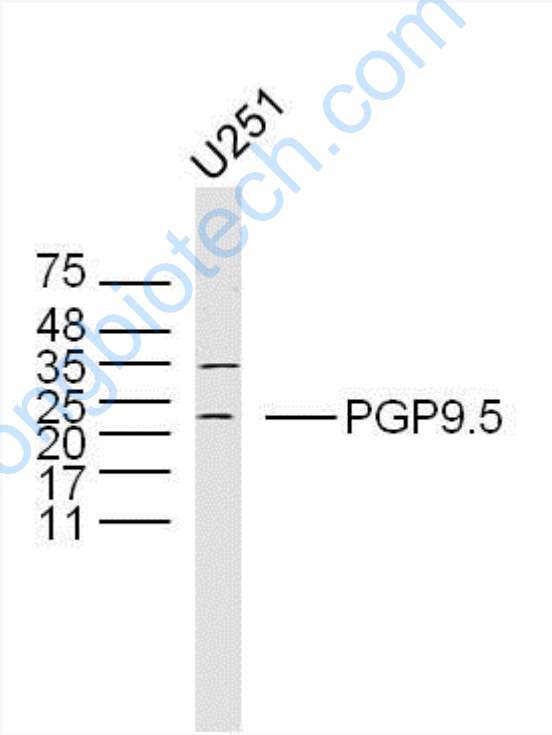
Rabbit Anti-PGP9.5 antibody

SL3806R

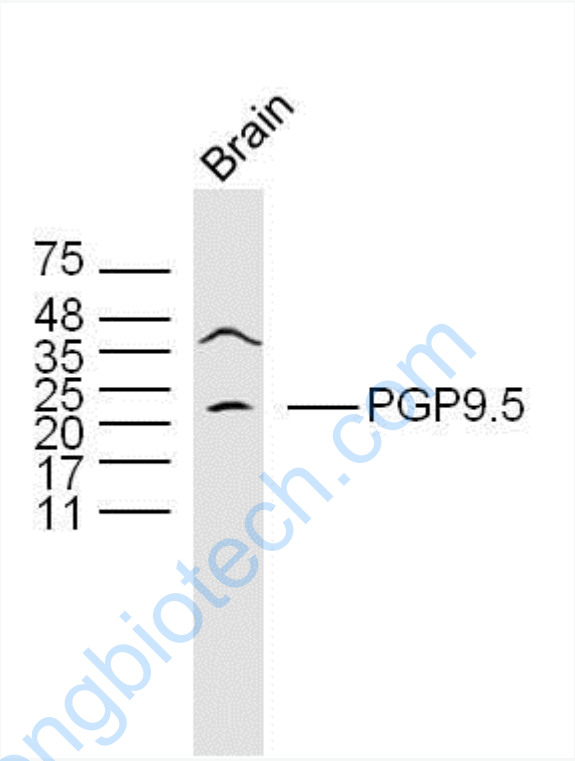
Product Name:	PGP9.5
Chinese Name:	神经细胞胞浆蛋白9.5/蛋白基因产物9.5抗体
Alias:	Gracile axonal dystrophy; Neuron cytoplasmic protein 9.5; Park 5; Park5; Parkinson Disease 5; PGP 9.5; PGP9.5; PGP95; Protein gene product 9.5; Ubiquitin C terminal esterase L1; Ubiquitin C terminal hydrolase (neuron specific); Ubiquitin C terminal hydrolase; Ubiquitin carboxyl terminal esterase L1; Ubiquitin carboxyl terminal hydrolase isozyme L1; Ubiquitin carboxyl-terminal hydrolase isozyme L1; Ubiquitin thioesterase L1; Ubiquitin thiolesterase; Ubiquitin thiolesterase L1; UCH L1; UCH-L1; UCHL1; UCHL1_HUMAN.
文献引用 PubMed :	**Specific References(5)**|SL3806R has been referenced in 5 publications. **[IF=3.12]**Zheng, Liming, et al. "CD49f promotes proliferation of male dairy goat germline stem cells." Cell Proliferation (2016).**Goat**. PubMed:26841372 **[IF=1.75]**Li, Bo, et al. "Bovine male germline stem-like cells cultured in serum-and feeder-free medium." Cytotechnology: 1-13.**IHC-P;Bovine**. PubMed:26883918 **[IF=7.81]**Deng, Shou-Long, et al. "Melatonin promotes development of haploid germ cells from early developing spermatogenic cells of Suffolk sheep under in vitro condition." Journal of Pineal Research (2016).**Sheep**. PubMed:26993286 **[IF=5.23]**Zheng, Liming, et al. "The Modification of Tet1 in Male Germline Stem Cells and Interact with PCNA, HDAC1 to promote their Self-renewal and Proliferation." Scientific Reports 6 (2016): 37414.**IF(IHC-P);Goat**.

	PubMed:27857213 [IF=0.72]Lei, Qi-jing, et al. "Establishment and characterization of immortalized bovine male germline stem cell line." Journal of Integrative Agriculture (2017).**WB;Bovine**. PubMed:0
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Horse,Guinea Pig,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	25kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PGP95:35-140/223
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	catalyzes the hydrolysis of ubiquitin carboxy-terminal thiolesters to form ubiquitin and a thiol; may play a role in neuropathic pain [RGD]. Found in neuronal cell bodies and processes throughout the neocortex (at protein level). Expressed in neurons and cells of the diffuse neuroendocrine system and their tumors. Weakly expressed in ovary. Down-regulated in brains from Parkinson disease and Alzheimer disease patients. **Function:** Ubiquitin-protein hydrolase involved both in the processing of ubiquitin precursors and of ubiquitinated proteins. This enzyme is a thiol protease that recognizes and hydrolyzes a peptide bond at the C-terminal glycine of ubiquitin. Also binds to free monoubiquitin and may prevent its degradation in lysosomes. The homodimer may have ATP-independent ubiquitin ligase activity. **Subcellular Location:** Cytoplasm. Endoplasmic reticulum membrane. About 30% of total UCHL1 is associated with membranes in brain. **Tissue Specificity:**

	Found in neuronal cell bodies and processes throughout the neocortex (at protein level). Expressed in neurons and cells of the diffuse neuroendocrine system and their tumors. Weakly expressed in ovary. Down-regulated in brains from Parkinson disease and Alzheimer disease patients. **Post-translational modifications:** O-glycosylated. **DISEASE:** Defects in UCHL1 are the cause of Parkinson disease type 5 (PARK5) [MIM:613643]; also known as Parkinson disease autosomal dominant 5. PARK5 is a complex neurodegenerative disorder with manifestations ranging from typical Parkinson disease to dementia with Lewy bodies. Clinical features include parkinsonian symptoms (resting tremor, rigidity, postural instability and bradykinesia), dementia, diffuse Lewy body pathology, autonomic dysfunction, hallucinations and paranoia. **Similarity:** Belongs to the peptidase C12 family. **SWISS:** P09936 **Gene ID:** 7345 **Database links:** Entrez Gene: 7345Human Entrez Gene: 22223Mouse Entrez Gene: 396637Pig Entrez Gene: 29545Rat Entrez Gene: 101117250Sheep Entrez Gene: 325119Zebrafish Omim: 191342Human SwissProt: P09936Human SwissProt: Q9R0P9Mouse SwissProt: Q6SEG5Pig SwissProt: Q00981Rat Unigene: 518731Human Unigene: 29807Mouse

	Unigene: 107213Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. 该抗原是一种神经特异性蛋白，广泛分布于中枢与外周神经系统的神经元和神经纤维、神经内分泌细胞、肾小管段、睾丸精原细胞、Leydig细胞、卵细胞以及妊娠与非妊娠黄体内的某些细胞。用于标记神经元，对研究几种人慢性神经变性性疾病中广泛存在的细胞包涵体特征较有意义。
Picture:	 Sample: U251 Cell (Human) Lysate at 30 ug Primary: Anti- PGP9.5 (SL3806R)at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 25kD

Observed band size: 23 kD



Sample:

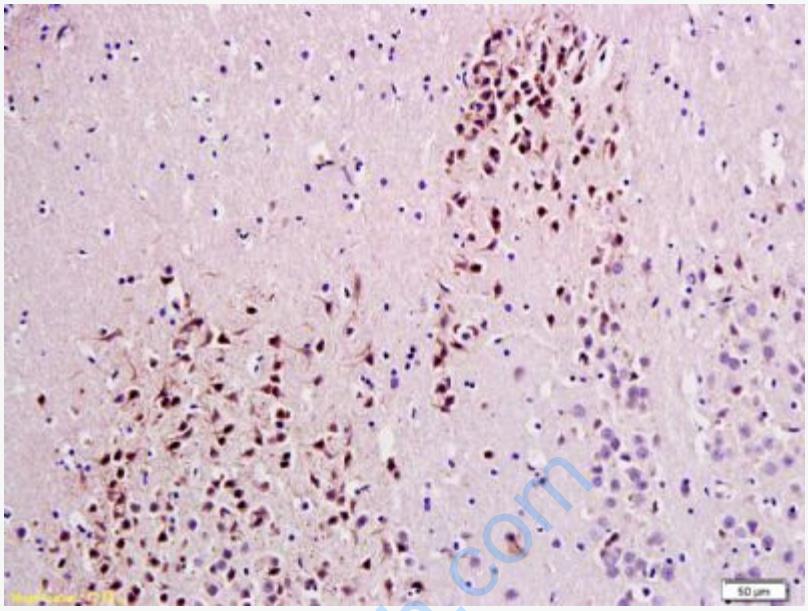
Brain (Mouse) Lysate at 40 ug

Primary: Anti- PGP9.5 (SL3806R)at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 25kD

Observed band size: 23 kD



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;

Incubation: Anti-UCHL1/PGP9.5 Polyclonal Antibody, Unconjugated(SL3806R) 1:300, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining