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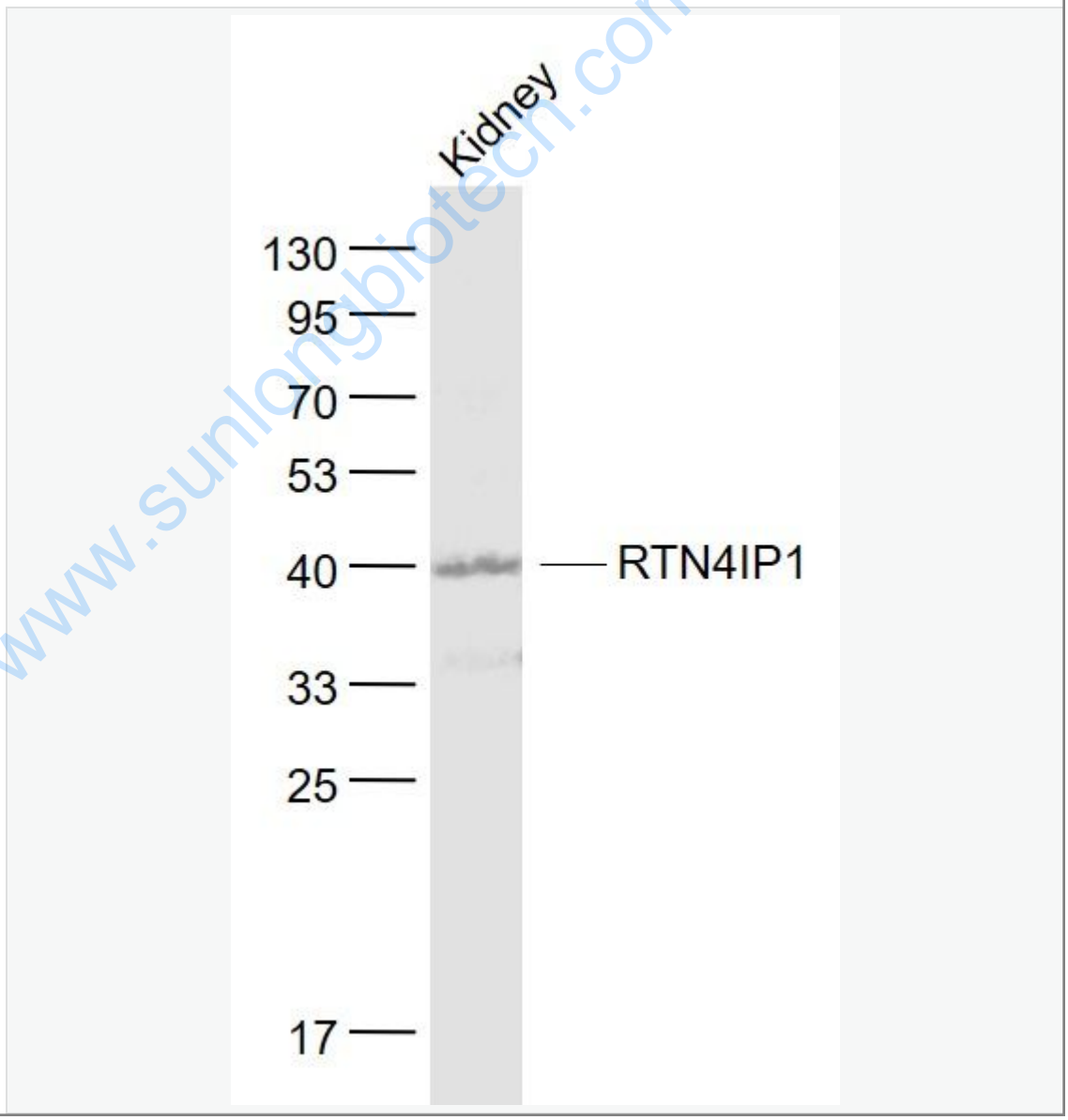
Rabbit Anti-NIMP/RTN4IP1 antibody

SL8334R

Product Name:	NIMP/RTN4IP1
Chinese Name:	NOGO相互作用Mitochondrion蛋白1抗体
Alias:	mitochondrial; NIMP; NOGO interacting mitochondrial protein; NOGO-interacting mitochondrial protein; Reticulon 4 interacting protein 1; Reticulon 4 interacting protein 1, mitochondrial; Reticulon-4-interacting protein 1; RT4I1_HUMAN; Rtn4ip1; NIMP/RTN4IP1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:50-200（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	39kDa
Cellular localization:	cytoplasmicMitochondrion
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human NIMP/RTN4IP1:111-210/396
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:	Appears to be a potent inhibitor of regeneration following spinal cord injury.Nogo is an oligodendrocyte-specific member of the Reticulon family and is a component of CNS white matter that inhibits axon outgrowth, induces collapse of growth cones of chick dorsal root ganglion cells, and inhibits the spreading of 3T3 fibroblasts. Nogo is

	expressed by oligodendrocytes but not by Schwann cells, and associates primarily with the endoplasmic reticulum. Nogo exists in three different splice forms, Nogo-A, -B and -C. NIMP (NOGO-interacting mitochondrial protein), also known as RTN4IP1 (Reticulon-4-interacting protein 1), is a 396 amino acid mitochondrial protein that contains a C-terminal oxidoreductaselike domain and numerous sites for phosphorylation. NIMP is expressed in mitochondrial-rich tissue such as kidney, heart, skeletal muscle and specific regions within the nervous system. Through interaction with Nogo, it is likely that NIMP plays a role in Nogo-induced inhibition of neurite growth. There are three isoforms of NIMP that are produced as a result of alternative splicing events. **Function:** Appears to be a potent inhibitor of regeneration following spinal cord injury. **Subunit:** Interacts with RTN4, UQCRC1 and UQCRC2 (By similarity). **Subcellular Location:** Mitochondrion. **Tissue Specificity:** Widely expressed in mitochondria-enriched tissues. Found in heart, muscle, kidney, liver, brain and placenta. **Similarity:** Belongs to the zinc-containing alcohol dehydrogenase family. Quinone oxidoreductase subfamily. **SWISS:** Q8WWV3 **Gene ID:** 84816 **Database links:** Entrez Gene: 84816 Human Entrez Gene: 170728 Mouse Entrez Gene: 309912 Rat Omim: 610502 Human SwissProt: Q8WWV3 Human

	SwissProt: Q924D0 Mouse Unigene: 155839 Human Unigene: 390253 Mouse Unigene: 220185 Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	

	Sample: Kidney (Mouse) Lysate at 40 ug Primary: Anti- NIMP/RTN4IP1 (SL8334R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 39 kD Observed band size: 40 kD