



## Rabbit Anti-NAP1L2 antibody

SL11172R

<b>Product Name:</b>	NAP1L2
<b>Chinese Name:</b>	脑特异性蛋白BPX抗体
<b>Alias:</b>	Brain specific gene BPX; BPX; Brain specific protein, X linked; MGC26243; Nucleosome assembly protein 1 like 2; NP1L2_HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Horse,Rabbit,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	53kDa
<b>Cellular localization:</b>	The nucleus
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human NAP1L2:201-300/460
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	Proper nucleosome assembly is critical for compacting DNA into chromatin. In human and mouse there are 5 protein-coding genes which comprise the nucleosome assembly protein (NAP) family. NAP1L1 (NAP1) and NAP1L4 (NAP2) are ubiquitously expressed family members which have been the most extensively studied. The remaining three family members, NAP1L2, NAP1L3 and NAP1L5 are neuron-specific nucleosome assembly proteins translated from intronless genes which are

monoallelically expressed. NAP1L2 (nucleosome assembly protein 1-like 2), also known as BPX (brain specific protein, X-linked), is a 460 amino acid protein containing acidic domains which are thought to mediate histone interactions. NAP1L2 binds to chromatin and interacts with Histones H3 and H4. The function of NAP1L2 is not clearly defined although evidence suggests that NAP1L2 influences histone acetylation and therefore may play a significant role in regulating transcription in developing neurons.

**Function:**

NAP1L2 is a member of the nucleosome assembly protein (NAP) family.

**Subcellular Location:**

Nuclear

**Similarity:**

Belongs to the nucleosome assembly protein (NAP) family.

**SWISS:**

Q9ULW6

**Gene ID:**

4674

**Database links:**

[Entrez Gene: 4674](#)Human

[Entrez Gene: 17954](#)Mouse

[Entrez Gene: 317247](#)Rat

[Omim: 300026](#)Human

[SwissProt: Q9ULW6](#)Human

[SwissProt: P51860](#)Mouse

[Unigene: 66180](#)Human

[Unigene: 740565](#)Human

[Unigene: 388694](#)Mouse

[Unigene: 43670](#)Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

