



## Rabbit Anti-GTPBP4 antibody

SL6010R

<b>Product Name:</b>	GTPBP4
<b>Chinese Name:</b>	GTPBinding protein4抗体(慢性肾功能衰竭蛋白)
<b>Alias:</b>	Chronic renal failure gene protein; CRFG; G protein binding protein CRFG; GTP binding protein 4; NGB; NOG1; Nucleolar GTP binding protein 1; NOG1_HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep,
<b>Applications:</b>	ELISA=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.
<b>Molecular weight:</b>	74kDa
<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 GTPBP4/CRFG:301-400/643
<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>	GTP-binding proteins are GTPases and function as molecular switches that can flip between two states: active, when GTP is bound, and inactive, when GDP is bound. 'Active' in this context usually means that the molecule acts as a signal to trigger other events in the cell. When an extracellular ligand binds to a G-protein-linked receptor, the receptor changes its conformation and switches on the trimeric G proteins that associate with it by causing them to eject their GDP and replace it with GTP. The switch is turned

off when the G protein hydrolyzes its own bound GTP, converting it back to GDP. But before that occurs, the active protein has an opportunity to diffuse away from the receptor and deliver its message for a prolonged period to its downstream target. [Entrez Gene]

**Function:**

Involved in the biogenesis of the 60S ribosomal subunit

**Subcellular Location:**

Nucleus, nucleolus.

**Similarity:**

Belongs to the GTP1/OBG family. NOG subfamily.

**SWISS:**

Q9BZE4

**Gene ID:**

23560

**Database links:**

[Entrez Gene: 23560](#)Human

[Entrez Gene: 69237](#)Mouse

[Entrez Gene: 114300](#)Rat

[SwissProt: Q9BZE4](#)Human

[SwissProt: Q99ME9](#)Mouse

[SwissProt: Q99P77](#)Rat

[Unigene: 215766](#)Human

[Unigene: 41800](#)Mouse

[Unigene: 96111](#)Rat

**Important Note:**

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