Datasheet for ABIN1714815

# anti-GNL2 antibody (AA 1-100)

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## Overview

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| Quantity: | 100 µL |
| Target: | GNL2 |
| Binding Specificity: | AA 1-100 |
| Reactivity: | Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This GNL2 antibody is un-conjugated |
| Application: | ELISA, Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC) |

## Product Details

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| Immunogen: | KLH conjugated synthetic peptide derived from human GNL2 |
| Isotype: | IgG |
| Cross-Reactivity: | Mouse, Rat |
| Predicted Reactivity: | Human,Dog,Cow,Sheep,Pig,Horse |
| Purification: | Purified by Protein A. |

## Target Details

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|---|---|
| Target: | GNL2 |

## Target Details

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| Alternative Name: | GNL2 (GNL2 Products) |
| Background: | Synonyms: Autoantigen NGP-1, Autoantigen NGP1, DJ423B22.6 novel nucleolar guanosine 5'-triphosphate binding protein, FLJ40906, GNL2, Guanine nucleotide binding protein-like 2 nucleolar, HUMAUANTIG, NGP1, NOG2_HUMAN, Nucleolar GTP binding protein 2, Nucleolar GTP-binding protein 2, Nucleolar GTPase.<br>Background: GNL2 is a nucleolar guanasine-triphosphate binding protein that is ubiquitously expressed at low levels in almost all tissues. GNL2 is involved in the crucial process of trafficking proteins out of the nucleus. Specifically, it is a GTPase that interacts with the 60s preribosomal subunit in the nucleus and facilitates export of the subunit into the cytoplasm. GTPases are responsible for the hydrolysis of GTP by way of a protein region dubbed the G domain. GTPases are often involved in the translocating proteins through membranes gleaning energy for the activity by hydrolizing GTP. GNL2 shares G domain homology and some functionality with nucleostemin (GNL3), another nuclear GTPase. Highest expression of GNL2 is found in testis. |
| Gene ID: | 29889 |

## Application Details

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| Application Notes: | WB 1:300-5000<br>ELISA 1:500-1000<br>IHC-P 1:200-400<br>IHC-F 1:100-500<br>IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>IF(ICC) 1:50-200<br>ICC 1:100-500 |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Liquid |
| Concentration: | 1 μg/μL |
| Buffer: | 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol. |
| Preservative: | ProClin |

## Handling

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| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. |
| Expiry Date: | 12 months |