

# Product Datasheet

## GCN4 Antibody (C11L34) - Chimeric - Azide and BSA Free NBP2-81274-0.2mg

Unit Size: 0.2 mg

Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.

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**NBP2-81274-0.2mg**

GCN4 Antibody (C11L34) - Chimeric - Azide and BSA Free

| Product Information |  |
|---------------------|--|
| Unit Size           | 0.2 mg   |
| Concentration       | 1 mg/ml  |
| Storage             | Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C. |
| Clonality           | Monoclonal   |
| Clone               | C11L34   |
| Preservative        | 0.02% Proclin 300  |
| Isotype             | IgG Lambda   |
| Purity              | Protein A purified   |
| Buffer              | PBS  |

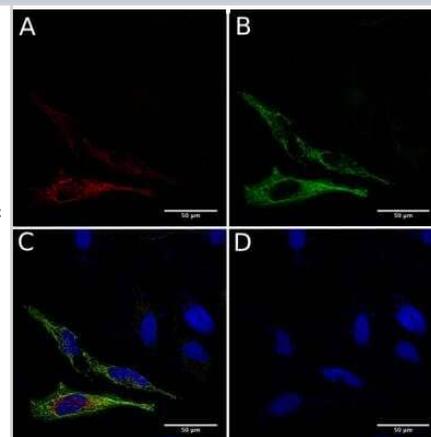
| Product Description     |   |
|-------------------------|---|
| Description             | Novus Biologicals Rabbit GCN4 Antibody (C11L34) - Chimeric - Azide and BSA Free (NBP2-81274) is a recombinant monoclonal antibody validated for use in WB, ICC/IF and IP. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host                    | Rabbit  |
| Gene ID                 | 856709  |
| Gene Symbol             | GCN4  |
| Species                 | Yeast   |
| Reactivity Notes        | Expected to react with <i>Saccharomyces cerevisiae</i> .  |
| Specificity/Sensitivity | This antibody binds to the HLENEVARLKK peptide from the leucine-zipper domain of the <i>S. cerevisiae</i> GCN4 transcriptional activator with picomolar affinity.   |
| Immunogen               | Biotinylated GCN4-peptide (HLENEVARLKK).  |

| Product Application Details |  |
|-----------------------------|--|
| Applications                | Western Blot, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Surface Plasmon Resonance  |
| Recommended Dilutions       | Western Blot, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Surface Plasmon Resonance  |
| Application Notes           | This full-length, chimeric rabbit antibody was made using the variable domain sequences of the original Mouse scFv format, for improved compatibility with existing reagents, assays and techniques. This antibody binds to the GCN4-leucine zipper peptide, which is part of the dimerisation- and DNA-binding domain of the transcriptional activator GCN4 in <i>S. cerevisiae</i> . |



## Images

Immunocytochemistry/Immunofluorescence: GCN4 Antibody (C11L34) [NBP2-81274] - Immunofluorescence staining of fixed HeLa cells expressing mCherry tagged GCN4 with anti-GCN4 antibody (C11L34). Immunofluorescence analysis of fixed HeLa cells stained with the chimeric rabbit IgG version of C11L34 [NBP2-81274] followed by an Alexa Fluor 488 secondary antibody, showing mitochondrial staining. Colocalisation with mCherry tagged GCN4 demonstrates the very low off target/non-specific binding of this antibody. The nuclear and mitochondrial DNA stain is hoechst (blue). Panels show; a) mCherry tagged, mitochondrially targetted GCN4, b) NBP2-81274 with Alexa Fluor® 488 secondary antibody, c) DNA stained with hoechst, d) Merged channels. Images courtesy of Luming Chen (Kim Orth lab, UT Southwestern Medical Center).





### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

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|        |   |
|--------|---|
| HAF008 | Goat anti-Rabbit IgG Secondary Antibody [HRP]       |
| NB7160 | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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