

Product Datasheet

GCN4 Antibody (C11L34) - Azide and BSA Free NBP2-81273-0.2mg

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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NBP2-81273-0.2mg

GCN4 Antibody (C11L34) - 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	IgG1 Lambda
Purity	Protein A purified
Buffer	PBS

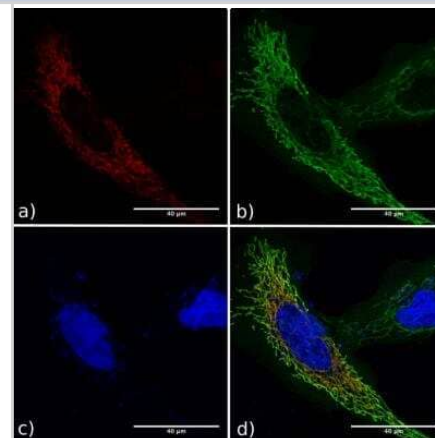
Product Description	
Description	Novus Biologicals Mouse GCN4 Antibody (C11L34) - Azide and BSA Free (NBP2-81273) is a monoclonal antibody validated for use in WB, ICC/IF and IP. Anti-GCN4 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
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, reformatted mouse 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) [NBP2-81273] - Immunofluorescence staining of fixed HeLa cells expressing mCherry tagged GCN4 with anti-GCN4 antibody (C11L34) [NBP2-81273]. Immunofluorescence analysis of fixed HeLa cells stained with the chimeric mouse IgG1 version of C11L34 [NBP2-81273] 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 DAPI (blue). Panels show; a) mCherry tagged, mitochondrially targetted GCN4, b) NBP2-81273 with Alexa Fluor 488 secondary antibody, c) DNA stained with DAPI, d) Merged channels. Images courtesy of Luming Chen (Kim Orth lab, UT Southwestern Medical Center).



Publications

Chen R, Stainier W, Dufourt J et al. Repressor sequestration activates translation of germ granule localized mRNA bioRxiv 2023-10-18 (Immunocytochemistry/ Immunofluorescence)

Alecki C, Rizwan J, Le P et al. Localized synthesis of molecular chaperones sustains neuronal proteostasis bioRxiv : the preprint server for biology 2023-10-03 [PMID: 37873158] (Immunocytochemistry/ Immunofluorescence)



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Products Related to NBP2-81273-0.2mg

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96982	Mouse IgG1 Lambda Isotype Control (MG1L)

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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