

# Product Datasheet

## GCLC Antibody NBP1-49762-0.1ml

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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### Publications: 9

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**NBP1-49762-0.1ml**

GCLC Antibody

Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C. Do not freeze.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.1% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH 7.6) and 1.0% BSA
<b>Target Molecular Weight</b>	73 kDa
Product Description	
<b>Host</b>	Rabbit
<b>Gene ID</b>	2729
<b>Gene Symbol</b>	GCLC
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	Mouse reactivity reported in scientific literature (PMID: 24467268)
<b>Immunogen</b>	Synthetic peptide corresponding to internal region of rat heavy subunit of GCS protein.
<b>Notes</b>	For a positive control use Breast carcinoma.
Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:100
<b>Application Notes</b>	For IHC-P Antigen Retrieval: Boil tissue section in 10mM citrate buffer, pH 6.0 for 10 min followed by cooling at room temperature for 20 min.



## Publications

Choi JW, Kim GJ, Kim HJ et al. Identification and evaluation of a napyradiomycin as a potent Nrf2 activator: Anti-oxidative and anti-inflammatory activities Bioorg Chem 2020-10-27 [PMID: 33161250] (WB, Mouse)

### Details:

Western blot analysis of BV-2 cells treated with extracts from Streptomyces sp. Strain YP127.

Kim S, Indu Viswanath AN, Park JH et al. Nrf2 activator via interference of Nrf2-Keap1 interaction has antioxidant and anti-inflammatory properties in Parkinson's disease animal model Neuropharmacology 2020-02-05 [PMID: 32032607] (WB, Mouse)

### Details:

BV-2 cells

Lee JA, Kim DJ KMS99220 Exerts Anti-Inflammatory Effects, Activates the Nrf2 Signaling and Interferes with IKK, JNK and p38 MAPK via HO-1 Mol. Cells 2019-10-31 [PMID: 31656063] (WB, Mouse)

Hancock M, Hafstad AD, Nabeebaccus AA et al. Myocardial NADPH oxidase-4 regulates the physiological response to acute exercise Elife 2018-12-27 [PMID: 30589411] (WB, Mouse)

Park SS, Lee DM, Lim JH et al. Pyrrolidine dithiocarbamate reverses Bcl-xL-mediated apoptotic resistance to doxorubicin by inducing paraptosis Carcinogenesis 2018-01-10 [PMID: 29329420] (Human)

Lee JA, Son HJ, Kim JH et al. A novel synthetic isothiocyanate ITC-57 displays antioxidant, anti-inflammatory, and neuroprotective properties in a mouse Parkinson's disease model. Free Radic. Res. 2016-09-06 [PMID: 27598306] (WB, Mouse)

Park JH, Choi JW, Ju EJ et al. Antioxidant and Anti-Inflammatory Activities of a Natural Compound, Shizukahenriol, through Nrf2 Activation. Molecules 2015-09-14 [PMID: 26364630] (WB, Mouse)

Lee JA, Son HJ, Park KD et al. A Novel Compound ITC-3 Activates the Nrf2 Signaling and Provides Neuroprotection in Parkinson's Disease Models. Neurotox Res. 2015-08-02 [PMID: 26233727]

Woo SY, Kim JH, Moon MK et al. Discovery of Vinyl Sulfones as a Novel Class of Neuroprotective Agents toward Parkinson's Disease Therapy. J. Med. Chem. 2014-02-27 [PMID: 24467268] (WB, Mouse)





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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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