NUBP2 (M-81): sc-135368



The Power to Question

BACKGROUND

NUBP2 (nucleotide binding protein 2), also known as cytosolic Fe/S cluster assembly factor NUBP2, is a 271 amino acid protein and component of cytosolic iron-sulfur (Fe/S) protein assembly machinery. Localizing to both nucleus and cytoplasm, NUBP2 is found at centrosomes during mitosis and is widely expressed, with highest levels of expression in skeletal muscle and fetal liver, lung, brain and kidney. NUBP2 is essential for extramitochondrial Fe/S protein maturation and is thought to transfer a labile 4Fe-4S cluster to various apoproteins. NUBP2 is a member of the NUBP/MRP gene subfamily of ATP-binding proteins and is encoded by a gene that maps to human chromosome 16p13.3 and mouse chromosome 17 A3.3.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: NUBP2 (human) mapping to 16p13.3; Nubp2 (mouse) mapping to 17 A3.3.

SOURCE

NUBP2 (M-81) is a rabbit polyclonal antibody raised against amino acids 195-275 mapping at the C-terminus of NUBP2 of mouse origin.

PRODUCT

Each vial contains 200 μg lgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

APPLICATIONS

NUBP2 (M-81) is recommended for detection of NUBP2 of mouse, rat and, to a lesser extent, human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with NUBP1 or NUBPL.

Suitable for use as control antibody for NUBP2 siRNA (h): sc-93406, NUBP2 siRNA (m): sc-150091, NUBP2 shRNA Plasmid (h): sc-93406-SH, NUBP2 shRNA Plasmid (m): sc-150091-SH, NUBP2 shRNA (h) Lentiviral Particles: sc-93406-V and NUBP2 shRNA (m) Lentiviral Particles: sc-150091-V.

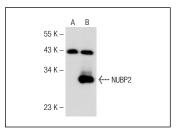
Molecular Weight of NUBP2: 30 kDa.

Positive Controls: NUBP2 (m): 293T Lysate: sc-122148 or Sol8 cell lysate: sc-2249.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

DATA



NUBP2 (M-81): sc-135368. Western blot analysis of NUBP2 expression in non-transfected: sc-117752 (A) and mouse NUBP2 transfected: sc-122148 (B) 293T

RESEARCH USE

For research use only, not for use in diagnostic procedures.

MONOS Satisfation Guaranteed

Try **NUBP2 (C-12):** sc-376784 or **NUBP2 (A-11):** sc-376785, our highly recommended monoclonal alternatives to NUBP2 (M-81).