

INO80C (S-16): sc-84750

BACKGROUND

INO80C (INO80 complex subunit C), also known as C18orf37 or IES6, is a 192 amino acid protein that exists as multiple alternatively spliced isoforms and functions as a component of the multi-subunit chromatin-remodeling INO80 complex. The gene encoding INO80C maps to human chromosome 18q12.2, which houses over 300 protein-coding genes and contains nearly 76 million bases. There are a variety of diseases associated with defects in chromosome 18-localized genes, some of which include Trisomy 18 (also known as Edwards syndrome), Niemann-Pick disease, hereditary hemorrhagic telangiectasia, erythropoietic protoporphyria and follicular lymphomas.

REFERENCES

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4. Jin, J., et al. 2005. A mammalian chromatin remodeling complex with similarities to the yeast INO80 complex. *J. Biol. Chem.* 280: 41207-41212.
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CHROMOSOMAL LOCATION

Genetic locus: INO80C (human) mapping to 18q12.2; Ino80c (mouse) mapping to 18 A2.

SOURCE

INO80C (S-16) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an internal region of INO80C of human origin.

PRODUCT

Each vial contains 100 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-84750 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

INO80C (S-16) is recommended for detection of INO80C of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg 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).

INO80C (S-16) is also recommended for detection of INO80C in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for INO80C siRNA (h): sc-72684, INO80C siRNA (m): sc-142770, INO80C shRNA Plasmid (h): sc-72684-SH, INO80C shRNA Plasmid (m): sc-142770-SH, INO80C shRNA (h) Lentiviral Particles: sc-72684-V and INO80C shRNA (m) Lentiviral Particles: sc-142770-V.

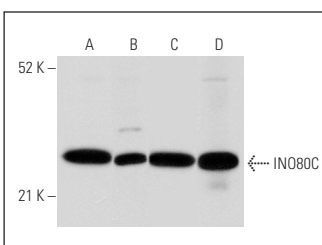
Molecular Weight of INO80C: 21 kDa.

Positive Controls: K-562 whole cell lysate: sc-2203, Jurkat nuclear extract: sc-2132 or BxPC-3 whole cell lysate.

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



INO80C (S-16): sc-84750. Western blot analysis of INO80C expression in K-562 (A) and BxPC-3 (B) whole cell lysates, Jurkat nuclear extract (C) and human tonsil tissue extract (D).

STORAGE

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

RESEARCH USE

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