

ELL2 (N-14): sc-83808

BACKGROUND

ELL2 (RNA polymerase II elongation factor ELL2) is a 640 amino acid nuclear protein that belongs to the ELL/Occludin family. This family is defined by a highly conserved domain of approximately 100 amino residues found within all eukaryotic Occludin proteins and the RNA polymerase II elongation factor ELL. These elongation factors activate elongation by suppressing transient pausing by polymerase at many sites along the DNA and govern its interaction with RNA polymerase II and the ternary elongation complex. ELL2 may also contain a novel type of RNA polymerase II interaction domain that is capable of negatively regulating polymerase activity in promoter-specific transcription initiation *in vitro*.

CHROMOSOMAL LOCATION

Genetic locus: ELL2 (human) mapping to 5q15; ELL2 (mouse) mapping to 13 C1.

SOURCE

ELL2 (N-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of ELL2 of human origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin. Also available as TransCruz reagent for Gel Supershift and ChIP applications, sc-83808 X, 200 µg/0.1 ml.

Blocking peptide available for competition studies, sc-83808 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

ELL2 (N-14) is recommended for detection of ELL2 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).

ELL2 (N-14) is also recommended for detection of ELL2 in additional species, including canine, bovine and porcine.

Suitable for use as control antibody for ELL2 siRNA (h): sc-77259, ELL2 siRNA (m): sc-77260, ELL2 shRNA Plasmid (h): sc-77259-SH, ELL2 shRNA Plasmid (m): sc-77260-SH, ELL2 shRNA (h) Lentiviral Particles: sc-77259-V and ELL2 shRNA (m) Lentiviral Particles: sc-77260-V.

ELL2 (N-14) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight (predicted) of ELL2: 72 kDa.

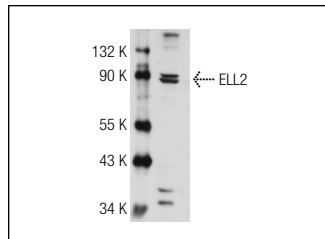
Molecular Weight (observed) of ELL2: 88 kDa.

Positive Controls: ES-2 cell lysate: sc-24674 or HeLa whole cell lysate: sc-2200.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (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 donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

DATA



ELL2 (N-14): sc-83808. Western blot analysis of ELL2 expression in ES-2 whole cell lysate.

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.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.


 MONOS
Satisfaction
Guaranteed

Try **ELL2 (B-7): sc-515276** or **ELL2 (G-5): sc-376611**, our highly recommended monoclonal alternatives to ELL2 (N-14).