

## EID-3 (N-13): sc-167737

### BACKGROUND

EID-3 (EP300-interacting inhibitor of differentiation 3), also known as E1A-like inhibitor of differentiation 3, is a 333 amino acid protein belonging to the NSE4 family. Localizing to nucleus and cytoplasm, EID-3 is highly expressed in testis. EID-3 may interfere with CBP-dependent coactivation by acting as a repressor of nuclear receptor-dependent transcription, and may act as a co-inhibitor to other CBP/p300 dependent transcription factors. EID-3 exists as a homodimer or heterodimer with EID-2, and is encoded by a gene that maps to human chromosome 12q23.3. Encoding over 1,100 genes within 132 million bases, chromosome 12 makes up about 4.5% of the human genome. A number of skeletal deformities are linked to chromosome 12 including hypochondrogenesis, achondrogenesis and Kniest dysplasia.

### REFERENCES

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- Zumkeller, W., et al. 2004. Genotype/phenotype analysis in a patient with pure and complete trisomy 12p. *Am. J. Med. Genet. A* 129A: 261-264.
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### CHROMOSOMAL LOCATION

Genetic locus: EID3 (human) mapping to 12q23.3.

### SOURCE

EID-3 (N-13) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of EID-3 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.

Blocking peptide available for competition studies, sc-167737 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

### RESEARCH USE

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

### APPLICATIONS

EID-3 (N-13) is recommended for detection of EID-3 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), 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 other EID family members.

Suitable for use as control antibody for EID-3 siRNA (h): sc-95824, EID-3 shRNA Plasmid (h): sc-95824-SH and EID-3 shRNA (h) Lentiviral Particles: sc-95824-V.

Molecular Weight of EID-3: 38 kDa.

### 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) 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.

### STORAGE

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

### PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) or our catalog for detailed protocols and support products.