

## DET1 (C-24): sc-130583

### BACKGROUND

DET1 (de-etiolated homolog 1), is a 550 amino acid highly conserved nuclear protein that is expressed in the ovary, some lymphoid organs and resting leukocytes. DET1 is a component of the E3 ubiquitin ligase Doublecortin DET1-COP1 complex, which is required for ubiquitination and degradation of proto-oncogenic transcription factor c-Jun. DET1 enhances the activity of several members of the UBC (Ub-conjugating enzyme) family and modulates CUL-4A functions. DET1 is involved in multiple plant developmental processes and acts as an essential negative regulator of photomorphogenesis.

### REFERENCES

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### CHROMOSOMAL LOCATION

Genetic locus: DET1 (human) mapping to 15q25.3.

### SOURCE

DET1 (C-24) is a purified rabbit polyclonal antibody raised against a peptide mapping near the C-terminus of DET1 of human origin.

### PRODUCT

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

### APPLICATIONS

DET1 (C-24) is recommended for detection of DET1 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for DET1 siRNA (h): sc-89981, DET1 shRNA Plasmid (h): sc-89981-SH and DET1 shRNA (h) Lentiviral Particles: sc-89981-V.

Molecular Weight of DET1: 64 kDa.

### 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.

### 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](http://www.scbt.com) or our catalog for detailed protocols and support products.