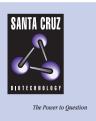
SANTA CRUZ BIOTECHNOLOGY, INC.

FTZ-F1 (dK-20): sc-27221



BACKGROUND

Insect metamorphosis is a developmentally important event for formation of adult structures from larval imaginal cells. The sequence-specific DNA-binding factor FTZ-F1 is a member of the nuclear hormone receptor superfamily and is transiently expressed during the mid- and late prepupal periods in *Drosophila melanogaster*. FTZ-F1 is involved in the activation of the segmentation gene fushi tarazu (ftz) during early embryogenesis. FTZ-F1 binds to two sites located within the zebra element and to two sites within the ftz protein-coding sequence.

REFERENCES

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- Murata, T., et al. 1996. Regulation of the EDG84A gene by FTZ-F1 during metamorphosis in *Drosophila melanogaster*. Mol Cell Biol. 16: 6509-6515.
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SOURCE

FTZ-F1 (dK-20) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of FTZ-F1 of *Drosophila melanogaster* origin.

PRODUCT

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

Blocking peptide available for competition studies, sc-27221 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

STORAGE

Store at 4° C, **D0 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.

APPLICATIONS

FTZ-F1 (dK-20) is recommended for detection of FTZ-F1 of *Drosophila melanogaster* 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).

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) Immunofluores-cence: 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.

PROTOCOLS

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