SANTA CRUZ BIOTECHNOLOGY, INC.

ETEA (K-17): sc-48862

SANTA CRUZ BIOTECHNOLOGY

The Power to Question

BACKGROUND

ETEA, also designated UBX domain-containing protein 8 (UBXD8), is a 445 amino acid protein associated with atopic dermatitis (AD), a chronic, non-contagious, relapsing, inflammatory skin disease characterized by eczematous skin lesions also referred to as eczematous dermatitis. Other atopic diseases such as hay fever, asthma and conjunctivitis often occur along with AD. ETEA shows higher expression in T cells and eosinophils of patients with AD than in T cells and eosinophils of unaffected individuals. T cells are influential in the regulation of the inflammatory process of this disease. The persistence of AD is attributed to dysregulated apoptosis in T cells, eosinophils and keratinocytes. ETEA may be involved in the resistance to apoptosis in T cells and eosinophils of AD patients.

CHROMOSOMAL LOCATION

Genetic locus: UBXD8 (human) mapping to 5q35.2; Ubxd8 (mouse) mapping to 13 B1.

SOURCE

ETEA (K-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of ETEA 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-48862 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

STORAGE

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

APPLICATIONS

ETEA (K-17) is recommended for detection of ETEA 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).

ETEA (K-17) is also recommended for detection of ETEA in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for ETEA siRNA (h): sc-60607, ETEA siRNA (m): sc-60608, ETEA shRNA Plasmid (h): sc-60607-SH, ETEA shRNA Plasmid (m): sc-60608-SH, ETEA shRNA (h) Lentiviral Particles: sc-60607-V and ETEA shRNA (m) Lentiviral Particles: sc-60608-V.

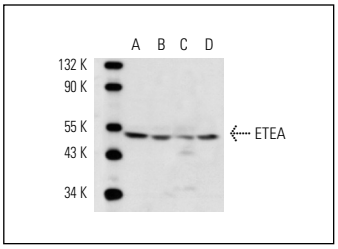
Molecular Weight of ETEA: 53 kDa.

Positive Controls: Jurkat whole cell lysate: sc-2204, MOLT-4 cell lysate: sc-2233 or NTERA-2 cl.D1 cell lysate.

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



ETEA (K-17): sc-48862. Western blot analysis of ETEA expression in Jurkat (**A**), MOLT-4 (**B**) and NTERA-2 cl. D1 (**C**) whole cell lysates and rat testis tissue extract (**D**).

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.