

ETEA (H-6): sc-271895

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.

REFERENCES

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3. Trautmann, A., Akdis, M., Klunker, S., Blaser, K. and Akdis, C.A. 2001. Role of apoptosis in atopic dermatitis. *Int. Arch. Allergy Immunol.* 124: 230-232.
4. Trautmann, A., Akdis, M., Blaser, K. and Akdis, C.A. 2001. Role of dysregulated apoptosis in atopic dermatitis. *Apoptosis* 5: 425-429.
5. Imai, Y., Nakada, A., Hashida, R., Sugita, Y., Tanaka, T., Tsujimoto, G., Matsumoto, K., Akasawa, A., Saito, H. and Oshida, T. 2002. Cloning and characterization of the highly expressed ETEA gene from blood cells of atopic dermatitis patients. *Biochem. Biophys. Res. Commun.* 297: 1282-1290.
6. García Angeles, J., Flores Sandoval, G., Orea Solano, M., Serrano, E. and Estrada Parra, S. 2003. Lymphocyte apoptosis in atopic dermatitis treated with transfer factor. *Rev. Alerg. Mex.* 50: 3-7.

CHROMOSOMAL LOCATION

Genetic locus: FAF2 (human) mapping to 5q35.2; Faf2 (mouse) mapping to 13 B1.

SOURCE

ETEA (H-6) is a mouse monoclonal antibody specific for an epitope mapping between amino acids 41-67 near the N-terminus of ETEA of human origin.

PRODUCT

Each vial contains 200 µg IgG_{2b} kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-271895 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% stabilizer protein).

RESEARCH USE

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

APPLICATIONS

ETEA (H-6) is recommended for detection of ETEA of mouse, rat and human origin by Western Blotting (starting dilution 1:100, 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 (H-6) is also recommended for detection of ETEA in additional species, including equine, canine, bovine, porcine and avian.

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.

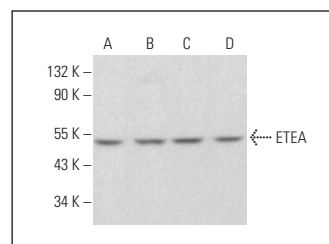
Molecular Weight of ETEA: 53 kDa.

Positive Controls: NIH/3T3 whole cell lysate: sc-2210, 3T3-L1 cell lysate: sc-2243 or HL-60 whole cell lysate: sc-2209.

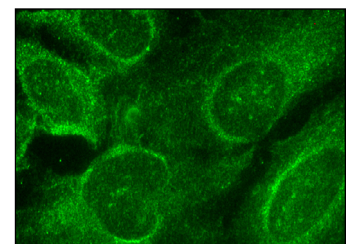
RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended:
 1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 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 m-IgGκ BP-FITC: sc-516140 or m-IgGκ BP-PE: sc-516141 (dilution range: 1:50-1:200) with UltraCruz® Mounting Medium: sc-24941 or UltraCruz® Hard-set Mounting Medium: sc-359850.

DATA



ETEA (H-6): sc-271895. Western blot analysis of ETEA expression in 3T3-L1 (A), NIH/3T3 (B), HL-60 (C) and K-562 (D) whole cell lysates.



ETEA (H-6): sc-271895. Immunofluorescence staining of methanol-fixed HeLa cells showing cytoplasmic localization.

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 for detailed protocols and support products.