

Human EDAR antibody

Catalog Number: ATGA0334

PRODUCT INFORMATION

Catalog number

ATGA0334

Clone No.

AT19E8

Product type

Monoclonal Antibody

UnitProt No.

Q9UNE0

NCBI Accession No.

NP_071731

Alternative Names

Tumor necrosis factor receptor superfamily member EDAR, DL, ECTD10A, ECTD10B, ED1R, ED3, ED5, EDA-A1R, EDA1R, EDA3, HRM1

PRODUCT SPECIFICATION

Antibody Host

Mouse

Reacts With

Human

Concentration

1mg/ml (determined by BCA assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

Immunogen

Recombinant human EDAR (27-448aa) purified from E.coli

Isotype

IgG2a kappa

Purification Note

By protein-A affinity chromatography

Application

ELISA, WB, FACS

Usage

The antibody has been tested by ELISA, Western blot and FACS analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

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Storage

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

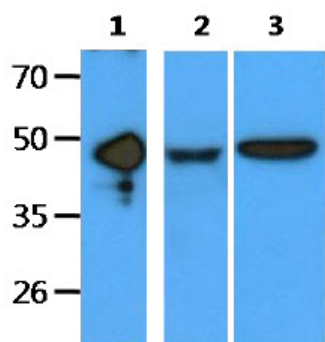
Tumor necrosis factor receptor superfamily member EDAR is a protein that in humans is encoded by the EDAR gene. EDAR and other genes provide instructions for making proteins that work together during embryonic development. These proteins form part of a signaling pathway that is critical for the interaction between two cell layers, the ectoderm and the mesoderm. In the early embryo, these cell layers form the basis for many of the body's organs and tissues. Ectoderm-mesoderm interactions are essential for the proper formation of several structures that arise from the ectoderm, including the skin, hair, nails, teeth, and sweat glands.

General References

Monreal AW, et al. (1999) Nat Genet 22(4):366-9.
 Aswegan AL, et al. (1997) Am J Med Genet 72(4):462-7.
 Entrez Gene: EDAR ectodysplasin A receptor.

DATA

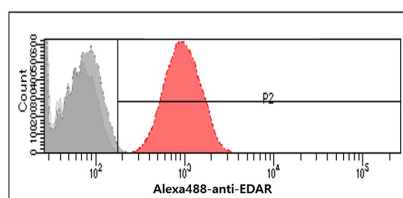
Western blot analysis (WB)



The recombinant protein (50ng) and cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human EDAR antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Lane 1 : Recombinant protein EDAR
 Lane 2 : A549 cell lysate
 Lane 3 : Ramos cell lysate

Flow cytometry (FACS)



Flow cytometry analysis of EDAR in HeLa cells. The cell was stained with ATGA0334 at 2-5ug for 1×10^6 cells (red). A Goat anti mouse IgG (Alexa fluor 488) was used as the secondary antibody. Mouse monoclonal IgG was used as the isotype control (dark gray), cells without incubation with primary and secondary antibody was used as the negative control (light gray)