Datasheet for ABIN3042668

anti-Ectodysplasin A antibody (Middle Region)

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Overview

Quantity:	100 µg
Target:	Ectodysplasin A (EDA)
Binding Specificity:	AA 254-269, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Ectodysplasin A antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Ectodysplasin-A(EDA) detection. Tested with WB in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence in the middle region of human EDA(254-269aa HLQGQGSAIQVKNDLS), identical to the related mouse and rat sequences.
Sequence:	HLQGQGSAIQ VKNDLS
Isotype:	IgG
Cross-Reactivity (Details):	Predicted Cross Reactivity: mouse, rat No cross reactivity with other proteins. Predicted Cross Reactivity: Species predicted to be fit for the product based on sequence similarities.
Characteristics:	Rabbit IgG polyclonal antibody for Ectodysplasin-A(EDA) detection. Tested with WB in

Product Details

	Human,Mouse,Rat. Gene Name: ectodysplasin A Protein Name: Ectodysplasin-A
Purification:	Immunogen affinity purified.

Target Details

Target:	Ectodysplasin A (EDA)
Alternative Name:	EDA (EDA Products)
Background:	Anhidrotic ectodermal dysplasia(EDA) is an X-linked recessive disorder which affects ectodermal structures. Ectodysplasin-A, the protein encoded by the EDA gene, is a member of the tumor necrosis factor ligand superfamily that forms a collagen triple helix, suggesting functions in signal transduction and cell adhesion. Wnt signaling does control EDA gene expression, but ectodysplasin-A does not feedback on the Wnt pathway. Synonyms: Ectodermal dysplasia 1, anhidrotic antibody|Ectodermal dysplasia protein antibody|Ectodermal dysplasia, anhidrotic(hypohydrotic) antibody|Ectodysplasin A antibody|Ectodysplasin A, membrane form antibody|Ectodysplasin A, secreted form antibody|ECTODYSPLASIN A1 ISOFORM antibody|ECTODYSPLASIN A2 ISOFORM antibody|ECTODYSPLASIN antibody|Ectodysplasin-A antibody|ED1 A1 antibody|ED1 A2 antibody|ED1 antibody|ED1 GENE antibody|Eda A1 antibody|Eda A2 antibody|eda antibody|EDA protein antibody|EDA protein homolog antibody|EDA_HUMAN antibody|EDA1 antibody|EDA1 GENE antibody|EDA2 antibody|HED antibody|ODT1 antibody|Oligodontia 1 antibody|secreted form antibody|STHAGX1 antibody|Ta antibody|Tabby antibody|Tabby protein antibody|X linked anhidroitic ectodermal dysplasia protein antibody|XHED antibody|XLHED antibody
UniProt:	Q92838
Pathways:	Tube Formation

Application Details

Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Predicted Species: Mouse, Rat Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Expiry Date:	12 months

Publications

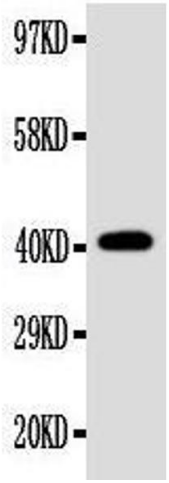
Product cited in:	Jia, Ma, Lv, Ma, Xu, Yang, Tian, Wang, Sun, Xu, Fu, Zhao: "Oestrogen and parathyroid hormone alleviate lumbar intervertebral disc degeneration in ovariectomized rats and enhance Wnt/β-catenin pathway activity." in: **Scientific reports**, Vol. 6, pp. 27521, (2018) (PubMed). Jia, Jiang, Liu, Wang, Zhu, Zhu, Liu, Zhong, Xie, Huang, Jia, Li, Liu, Zuo, Cheng, Dai, Ren: "Effects of three-dimensional collagen scaffolds on the expression profiles and biological functions of glioma cells." in: **International journal of oncology**, Vol. 52, Issue 6, pp. 1787-1800, (2018) (PubMed). Ding, Teng, Fan, Zhao: "The Association Between Modic Changes of Lumbar Endplates and Spontaneous Absorption of Herniated Intervertebral Discs." in: **Cell biochemistry and biophysics**, Vol. 71, Issue 3, pp. 1357-63, (2016) (PubMed).

Publications

Yan, Tian, Wang, Cheng, Xu, Song, Zhang, Zhang: "Age dependent changes in cartilage matrix, subchondral bone mass, and estradiol levels in blood serum, in naturally occurring osteoarthritis in Guinea pigs." in: **International journal of molecular sciences**, Vol. 15, Issue 8, pp. 13578-95, (2015) (PubMed).

Xu, Zhang, Xu, Guo, Wang, Wu, Wang, Luo, Zhou: "Antiphotoaging effect of conditioned medium of dedifferentiated adipocytes on skin in vivo and in vitro: a mechanistic study." in: **Stem cells and development**, Vol. 24, Issue 9, pp. 1096-111, (2015) (PubMed).

Images



Western Blotting

Image 1. Anti-EDA antibody, Western blotting WB: SW620 Cell Lysate