

Datasheet for ABIN3043548
anti-Ectodysplasin A antibody (AA 30-391)[Go to Product page](#)

2 Images

1 Publication

Overview

Quantity:	100 µg
Target:	Ectodysplasin A (EDA)
Binding Specificity:	AA 30-391
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Ectodysplasin-A(EDA) detection. Tested with WB in Human.
Immunogen:	E.coli-derived human EDA recombinant protein (Position: A30-S391). Human EDA shares 95% amino acid (aa) sequence identity with mouse EDA.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Ectodysplasin-A(EDA) detection. Tested with WB in Human. Gene Name: ectodysplasin A Protein Name: Ectodysplasin-A
Purification:	Immunogen affinity purified.

Target Details

Target:	Ectodysplasin A (EDA)
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Target Details

Alternative Name: EDA ([EDA Products](#))

Background: Ectodysplasin-A is a protein that in humans is encoded by the EDA gene. It is mapped to Xq13.1. The protein encoded by this gene is a type II membrane protein that can be cleaved by furin to produce a secreted form. The encoded protein, which belongs to the tumor necrosis factor family, acts as a homotrimer and may be involved in cell-cell signaling during the development of ectodermal organs. Defects in this gene are a cause of ectodermal dysplasia, anhidrotic, which is also known as X-linked hypohidrotic ectodermal dysplasia.

Synonyms: ECTD1 antibody|Ectodermal dysplasia 1, anhidrotic antibody|Ectodermal dysplasia protein antibody|Ectodermal dysplasia, anhidrotic (hypohidrotic) 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|HED1 antibody|ODT1 antibody|Oligodontia 1 antibody|secreted form antibody|STHAGX1 antibody|Ta antibody|Tabby antibody|Tabby protein antibody|X linked anhidrotic ectodermal dysplasia protein antibody|XHED antibody|XLHED antibody

Gene ID: 1896

UniProt: [Q92838](#)

Pathways: [Tube Formation](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, The detection limit for EDA is approximately 0.25 ng/lane under reducing conditions.
Notes: Tested Species: Species with positive results.
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.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Handling

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 Na ₂ HPO ₄ , 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE 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.

Publications

Product cited in:	<p>Liu, Hong, Li, Ren, Wang, Xu, Shi, Xu: "A Cross Talk Between BRG1 and Males Absent on the First Contributes to Reactive Oxygen Species Production in a Mouse Model of Nonalcoholic Steatohepatitis." in: Antioxidants & redox signaling, (2018) (PubMed).</p> <p>Meyer, Fredette, Daniel, Sharma, Amann, Arterburn, Barton, Prossnitz: "Obligatory role for GPER in cardiovascular aging and disease." in: Science signaling, Vol. 9, Issue 452, pp. ra105, (2017) (PubMed).</p>
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Western Blotting

Image 1. Anti- EDA antibody, Western blotting All lanes: Anti EDA at 0.5ug/ml WB: COLO320 Whole Cell Lysate at 40ug Predicted bind size: 41KD Observed bind size: 41KD

Western Blotting

Image 2. Anti- EDA antibody, Western blotting All lanes: Anti EDA at 0.5ug/ml WB : Recombinant Human EDA Protein 0.5ng Predicted bind size: 43KD Observed bind size: 43KD