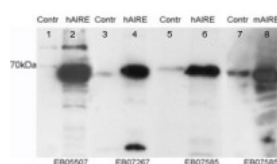


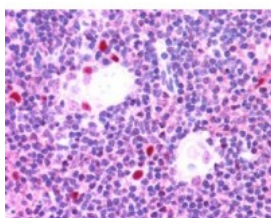


AIRE Antibody

CATALOG NUMBER: 45-226



Western Blot staining (0.05ug/ml) of HEK293 cell lysates. Untransfected (Lane 5 and 7) and transfected with Human AIRE (lane 6) or Mouse AIRE (lane 7). Data kindly provided by Prof. Pärt Peterson, University of Tartu, Estonia.



Immunohistochemistry (2.5ug/ml) staining of paraffin embedded Human Thymus. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Specifications

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|-----------------------------|--|
| SPECIES REACTIVITY: | Human, Pig |
| TESTED APPLICATIONS: | ELISA, IHC-P, WB |
| APPLICATIONS: | ELISA: antibody detection limit dilution 1:32000. Western Blot: Appr. 60kDa in transfected HEK293 lysates (calculated MW of 57.7kDa according to NP_000374.1). Recommended concentration: 0.5-1.0 ug/ml. Immunohistochemistry: In paraffin embedded Human Thymus shows nuclear staining in select thymocytes. This product was confirmed in IHC on fetal Pig Thymus (PMID: 24770647). Recommended concentration, 2.5ug/ml. |
| POSITIVE CONTROL: | 1) Cat. No. 1210 - 293 Cell Lysate |
| SPECIFICITY: | This antibody is expected to recognise isoform 1 (NP_000374.1) only. |
| IMMUNOGEN: | AIRE antibody was raised against a 14 amino acid synthetic peptide near the internal region of AIRE. |
| HOST SPECIES: | Goat |

Properties

| | |
|----------------------------|---|
| PURIFICATION: | AIRE antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. |
| PHYSICAL STATE: | Liquid |
| BUFFER: | AIRE antibody is supplied in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin. |
| CONCENTRATION: | 500 ug/mL |
| STORAGE CONDITIONS: | Aliquot and store at -20°C. Minimize freezing and thawing. |
| CLONALITY: | Polyclonal |
| CONJUGATE: | Unconjugated |

Additional Info

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|-------------------------|--|
| ALTERNATE NAMES: | AIRE, autoimmune regulator (autoimmune polyendocrinopathy candidiasis ectodermal dystrophy), AIRE1, APECED, APS1, APSI, PGA1, autoimmune regulator (APECED protein), autoimmune regulator (automimmune |
|-------------------------|--|

polyendocrinopathy candidiasis ectodermal dystrophy), autoimmune regulator AIRE

ACCESSION NO.: NP_000374.1

PROTEIN GI NO.: 4557291

OFFICIAL SYMBOL: AIRE

GENE ID: 326

Background

REFERENCES: 1) Niki S, Oshikawa K, Mouri Y, Hirota F, Matsushima A, Yano M, Han H, Bando Y, Izumi K, Matsumoto M, Nakayama KI, Kuroda N, Matsumoto M. Alteration of intra-pancreatic target-organ specificity by abrogation of Aire in NOD mice. J Clin Invest. 2006 May 1;116(5):1292-1301. Epub 2006 Apr 20.

FOR RESEARCH USE ONLY

December 13, 2016