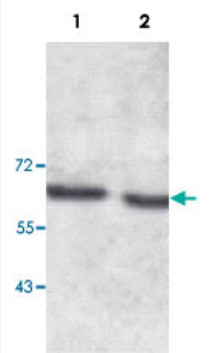
AIRE polyclonal antibody

Catalog # PAB19745 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of human thymus (Lane 1) and human testis (Lane 2) tissue lysate with AIRE polyclonal antibody (Cat # PAB19745) at 1:500 dilution.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of AIRE.
Immunogen	A synthetic peptide corresponding to 15 amino acids at C-terminus of human AIRE.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein A purification
Recommend Usage	ELISA (1:80000) Western Blot (1:200-500) The optimal working dilution should be determined by the end user.
Storage Buffer	In serum (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

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Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Tissue lysate)

  Western blot analysis of human thymus (Lane 1) and human testis (Lane 2) tissue lysate with AIRE polyclonal antibody (Cat # PAB19745) at 1:500 dilution.

Gene Info — AIRE

Entrez GeneID	326
Protein Accession#	O43918
Gene Name	AIRE
Gene Alias	AIRE1, APECED, APS1, APSI, PGA1
Gene Description	autoimmune regulator
Omim ID	240300 607358
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a transcriptional regulator that forms nuclear bodies and interacts with the tran scriptional coactivator CBP. At least three splice variant mRNAs products have been described i ncluding one which results in a premature stop codon and a transcript predicted to be a candidate for nuclear-mediated decay (NMD). Defects in this gene cause the rare autosomal-recessive syst emic autoimmune disease termed autoimmune polyendocrinopathy-candidiasis-ectodermal dystr ophy (APECED). [provided by RefSeq
Other Designations	autoimmune polyendocrinopathy candidiasis ectodermal dystrophy

Publication Reference

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- PRKDC mutations associated with immunodeficiency, granuloma, and autoimmune regulator–dependent autoimmunity.

  Mathieu AL, Verronese E, Rice GI, Fouyssac F, Bertrand Y, Picard C, Chansel M, Walter JE, Notarangelo LD, Butte MJ, Nadeau KC, Csomos K, Chen DJ, Chen K, Delgado A, Rigal C, Bardin C, Schuetz C, Moshous D, Reumaux H, Plenat F, Phan A, Zabot MT, Balme B, Viel S, Bienvenu J, Cochat P, van der Burg M, Caux C, Kemp EH, Rouvet I, Malcus C, Meritet JF, Lim A, Crow YJ, Fabien N, Menetrier-Caux C, De Villartay JP, Walzer T, Belot A.

  The Journal of Allergy and Clinical Immunology 2015 Jun; 135(6):1578.

  Application: WB-Tr, Human, Skin fibroblasts

Pathway

- Primary immunodeficiency
- Ubiquitin mediated proteolysis

Disease

- Addison Disease
- Alopecia Areata
- Autoimmune Diseases
- Autoimmune polyglandular syndrome
- Candidiasis
- Diabetes Mellitus
- Genetic Predisposition to Disease
- Graves Disease
- Hepatitis
- Hypercholesterolemia
- Hypoparathyroidism
- Melanoma
- Obesity
- Ovarian Failure

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- Polycystic Ovary Syndrome
- Polyendocrinopathies
- Puberty
- Scleroderma
- Skin Diseases
- Syndrome
- Thrombophilia
- Thyroiditis
- Tobacco Use Disorder
- Vitiligo

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