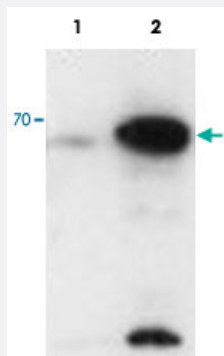


AIRE polyclonal antibody

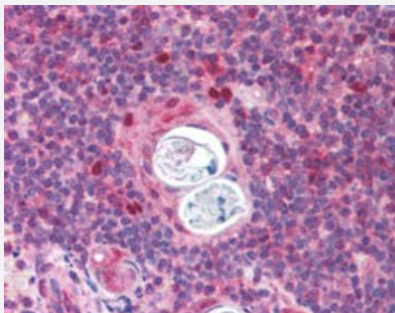
Catalog # PAB6198 Size 100 ug

Applications



Western Blot (Transfected lysate)

AIRE polyclonal antibody (Cat # PAB6198) staining (0.01 ug/mL) of HEK293 cell lysate untransfected (lane 1) and transfected with human AIRE (lane 2) . Data kindly provided by Prof. Part Peterson, University of Tartu, Estonia.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

AIRE polyclonal antibody (Cat # PAB6198) staining (2.5 ug/mL) of paraffin embedded human thymus. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of AIRE.
Immunogen	A synthetic peptide corresponding to human AIRE.
Sequence	C-QSMARPAAPFPS
Host	Goat
Theoretical MW (kDa)	57.7, 36.5
Reactivity	Human

Specificity	This antibody is expected to recognize isoforms 1 and 2 (NP_000374.1 and NP_000649.1 respectively).
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:32000) Western Blot (0.01-0.03 ug/mL) Immunohistochemistry (2.5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- ChIP

- Western Blot (Transfected lysate)

AIRE polyclonal antibody (Cat # PAB6198) staining (0.01 ug/mL) of HEK293 cell lysate untransfected (lane 1) and transfected with human AIRE (lane 2) .

Data kindly provided by Prof. Part Peterson, University of Tartu, Estonia.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

AIRE polyclonal antibody (Cat # PAB6198) staining (2.5 ug/mL) of paraffin embedded human thymus. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — AIRE

Entrez GeneID

[326](#)

Protein Accession#

[NP_000374.1;NP_000649.1](#)

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 transcriptional coactivator CBP. At least three splice variant mRNAs products have been described including 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 systemic autoimmune disease termed autoimmune polyendocrinopathy-candidiasis-ectodermal dystrophy (APECED). [provided by RefSeq]
Other Designations	autoimmune polyendocrinopathy candidiasis ectodermal dystrophy

Publication Reference

- [The autoimmune regulator \(AIRE\) is a DNA-binding protein.](#)

Kumar PG, Laloraya M, Wang CY, Ruan QG, Davoodi-Semiromi A, Kao KJ, She JX.

J Biol Chem 2001 Aug; 276(44):41357.

Application: IP, KA, WB, Mouse, Mouse thymus, Recombinant proteins

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](#)
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- [Skin Diseases](#)
- [Syndrome](#)
- [Thrombophilia](#)
- [Thyroiditis](#)
- [Tobacco Use Disorder](#)
- [Vitiligo](#)