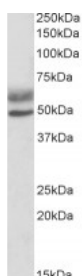


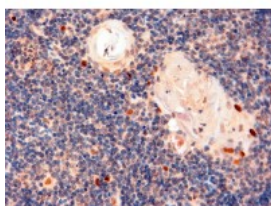


AIRE Antibody

CATALOG NUMBER: 45-225



Western Blot (0.5ug/ml) staining of Human Lymph Node lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Immunohistochemistry (2ug/ml) staining of paraffin embedded Human Thymus. Steamed antigen retrieval with Tris/EDTA buffer pH 9, HRP-staining.

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	ChIP, ELISA, IHC-P, WB
APPLICATIONS:	ELISA: antibody detection limit dilution 1:128000. Western Blot: Approx 60kDa band observed in Human Lymph Node and Human Spleen lysates (calculated MW of 57.7kDa according to NP_000374.1). Recommended concentration: 0.5-1.5ug/ml. An additional band of unknown identity was also consistently observed at 4 Immunohistochemistry: In paraffin embedded Human Thymic medulla shows staining of select nuclei. Recommended concentration, 2.5ug/ml. Chromatin immunoprecipitation: A customer has reported this antibody was successful in ChIP (no data).
POSITIVE CONTROL:	1) Cat. No. 1210 - 293 Cell Lysate
SPECIFICITY:	This antibody is expected to recognize isoforms 1 and 2 (NP_000374.1 and NP_000649.1 respectively).
IMMUNOGEN:	AIRE antibody was raised against a 12 amino acid synthetic peptide near the C-Terminus 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

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

ACCESSION NO.: NP_000374.1, NP_000649.1

PROTEIN GI NO.: 4557291

OFFICIAL SYMBOL: AIRE

GENE ID: 326

Background

REFERENCES: 1) Kumar PG, Laloraya M, Wang CY, Ruan QG, Davoodi-Semiromi A, Kao KJ, She JX. The autoimmune regulator (AIRE) is a DNA-binding protein. J Biol Chem. 2001 Nov 2;276(44):41357-64. Epub 2001 Aug 31.

FOR RESEARCH USE ONLY

December 13, 2016