

Datasheet for ABIN2779776  
**anti-AIRE antibody (N-Term)**



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## Overview

Quantity:	100 µL
Target:	AIRE
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Dog, Horse, Cow, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AIRE antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human AIRE
Sequence:	DFWRVLFKDY NLERYGRLQP ILDSFPKDVD LSQPRKGRKP PAVPKALVPP
Predicted Reactivity:	Cow: 79%, Dog: 92%, Horse: 86%, Human: 100%, Pig: 93%, Rat: 79%
Characteristics:	This is a rabbit polyclonal antibody against AIRE. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

## Target Details

Target:	AIRE
Alternative Name:	AIRE ( <a href="#">AIRE Products</a> )

## Target Details

Background:	<p>AIRE is 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).</p> <p>Alias Symbols: APS1, APSI, PGA1, AIRE1, APECED</p> <p>Protein Interaction Partner: TUBB, RAVR1, TUBA1C, TMPRSS13, CCDC87, FAT1, GIGYF2, SRRM2, TUBB4B, EIF4EBP3, UBB, HSP90AB1, HSPA8, HSPA5, HSPA1L, HSPA1A, ATP4A, HIST3H3, HDAC2, HDAC1, DAXX, AIRE, UBAC1, HIST1H3A, HIST2H2BE, HSPA4, SRSF1, SMC1A, XPO1, TOP2A, SSRP1, SNRPD3, SNRPB, SRSF3</p> <p>Protein Size: 545</p>
Molecular Weight:	58 kDa
Gene ID:	326
NCBI Accession:	<a href="#">NM_000383</a> , <a href="#">NP_000374</a>
UniProt:	<a href="#">O43918</a>
Pathways:	<a href="#">Chromatin Binding</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 545 AA
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

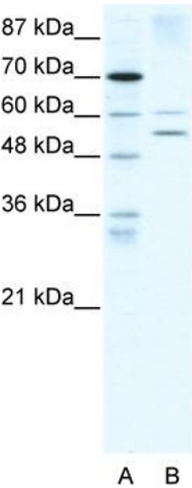
## Handling

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Publications

Product cited in:	Tao, Kupfer, Stewart, Williams-Skipp, Crowell, Patel, Sain, Scheinman: "AIRE recruits multiple transcriptional components to specific genomic regions through tethering to nuclear matrix." in: <b>Molecular immunology</b> , Vol. 43, Issue 4, pp. 335-45, (2005) ( <a href="#">PubMed</a> ).
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## Images



### Western Blotting

**Image 1.** WB Suggested Anti-AIRE Antibody Titration: 5 ug/ml Positive Control: HepG2 Whole Cell