

Datasheet for ABIN7145087  
**anti-AIRE antibody (AA 39-108)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	100 µg
Target:	AIRE
Binding Specificity:	AA 39-108
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AIRE antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF), Immunohistochemistry (IHC)

## Product Details

Immunogen:	Recombinant Human Autoimmune regulator protein (39-108AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	AIRE
Alternative Name:	AIRE ( <a href="#">AIRE Products</a> )
Background:	Background: Transcriptional regulator that binds to DNA as a dimer or as a tetramer, but not as a monomer. Binds to G-doublets in an A/T-rich environment, the preferred motif is a tandem

## Target Details

repeat of 5\'- ATTGGTTA-3\' combined with a 5\'-TTATTA-3\' box. Binds to nucleosomes (By similarity). Binds to chromatin and interacts selectively with histone H3 that is not methylated at \'Lys-4\' , not phosphorylated at \'Thr-3\' and not methylated at \'Arg-2\' . Functions as a sensor of histone H3 modifications that are important for the epigenetic regulation of gene expression. Functions as a transcriptional activator and promotes the expression of otherwise tissue-specific self-antigens in the thymus, which is important for self tolerance and the avoidance of autoimmune reactions.

Aliases: AIRE antibody, AIRE\_HUMAN antibody, AIRE1 antibody, APECED antibody, APECED protein antibody, APS1 antibody, APSI antibody, Autoimmune polyendocrinopathy candidiasis ectodermal dystrophy protein antibody, Autoimmune regulator antibody, Autoimmune regulator protein antibody, PGA1 antibody

UniProt: [O43918](#)

Pathways: [Chromatin Binding](#)

## Application Details

Application Notes: Recommended dilution: IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

## Handling

Format: Liquid

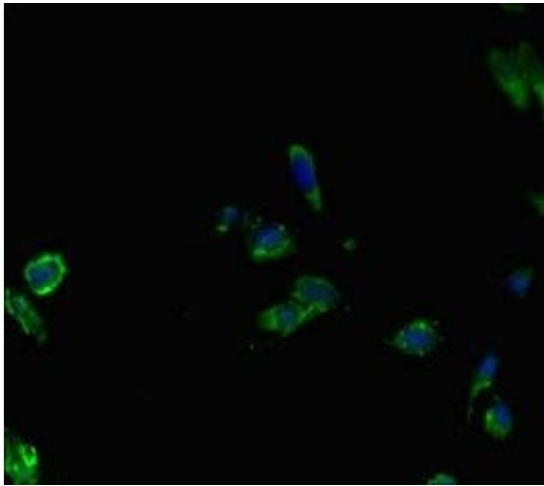
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

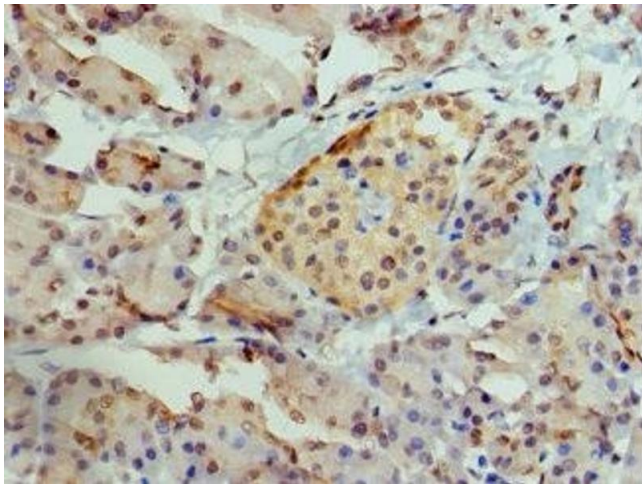
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



#### Immunofluorescence

**Image 1.** Immunofluorescent analysis of HeLa cells using ABIN7145087 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



#### Immunohistochemistry

**Image 2.** Immunohistochemistry of paraffin-embedded human pancreatic tissue using ABIN7145087 at dilution of 1:100