

## Rabbit AIRE Polyclonal Antibody | anti-AIRE antibody

Anti-AIRE Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                          |
|-----------|--------|-------------------|-------------------------------------------------------|
| AAA259682 | Rabbit | Human, Mouse, Rat | Immunocytochemistry, Immunofluorescence, Western Blot |

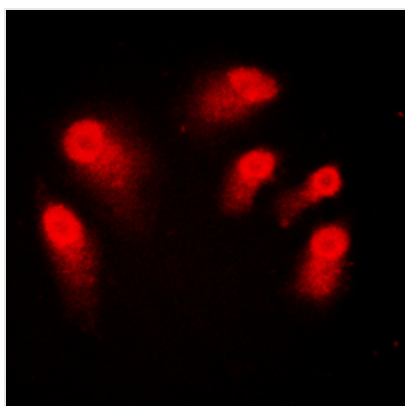
### PRODUCT SYNONYMS

AIRE; Polyclonal Antibody; Anti-AIRE Antibody; APECED; Autoimmune regulator; Autoimmune polyendocrinopathy candidiasis ectodermal dystrophy protein; APECED protein; anti-AIRE antibody

### PRODUCT SPECIFICATIONS

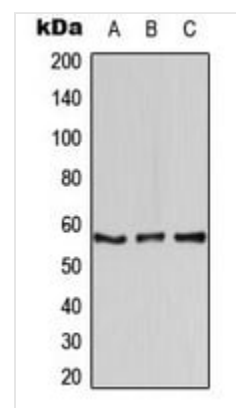
|                                                |                                                                                                                                     |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                              |
| Reactivity                                     | Human, Mouse, Rat                                                                                                                   |
| Clonality                                      | Polyclonal                                                                                                                          |
| Specificity                                    | Recognizes endogenous levels of AIRE protein.                                                                                       |
| Purity/Purification                            | The antibody was purified by immunogen affinity chromatography.                                                                     |
| Form/Format                                    | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.                           |
| Sequence Length                                | 348                                                                                                                                 |
| Applicable Applications for anti-AIRE antibody | ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)                                                               |
| Immunogen                                      | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human AIRE. The exact sequence is proprietary. |
| Preparation and Storage                        | Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.                      |

### IMAGES



#### IF (Immunofluorescence)

Immunofluorescent analysis of AIRE staining in Jurkat cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.



#### WB (Western Blot)

Western blot analysis of AIRE expression in Jurkat (A), mouse lung (B), rat lung (C) whole cell lysates.

ADDITIONAL INFORMATION

|                                                    |                                    |
|----------------------------------------------------|------------------------------------|
| Related Product Information for anti-AIRE antibody | Rabbit polyclonal antibody to AIRE |
|----------------------------------------------------|------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                        |
|----------------------------------|----------------------------------------|
| NCBI GI #                        | 4557291                                |
| NCBI GeneID                      | 326                                    |
| NCBI Accession #                 | NP_000374.1                            |
| NCBI GenBank Nucleotide #        | NM_000383.3                            |
| UniProt Accession #              | O43918; O43922; O43932; O75745; B2RP50 |
| Molecular Weight                 | 36,501 Da                              |
| NCBI Official Full Name          | autoimmune regulator                   |
| NCBI Official Synonym Full Names | autoimmune regulator                   |
| NCBI Official Symbol             | AIRE                                   |
| NCBI Official Synonym Symbols    | APS1; APSI; PGA1; AIRE1; APECED        |
| NCBI Protein Information         | autoimmune regulator                   |
| UniProt Protein Name             | Autoimmune regulator                   |
| UniProt Gene Name                | <b>AIRE</b>                            |
| UniProt Synonym Gene Names       | APECED; APECED protein                 |
| UniProt Entry Name               | AIRE_HUMAN                             |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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