

ARG64102 anti-AIRE antibody

Package: 100 µg
Store at: -20°C

Summary

| | |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description | Goat Polyclonal antibody recognizes AIRE |
| Tested Reactivity | Hu, Ms |
| Predict Reactivity | Cow, Rat, Pig |
| Tested Application | WB |
| Host | Goat |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | AIRE |
| Species | Human |
| Immunogen | C-KAKPPKKPESSAEQ |
| Conjugation | Un-conjugated |
| Alternate Names | APECED; Autoimmune regulator; APS1; APSI; Autoimmune polyendocrinopathy candidiasis ectodermal dystrophy protein; AIRE1; PGA1; APECED protein |

Application Instructions

| Application table | Application | Dilution |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| | WB | 0.3 - 1 µg/ml |
| Application Note | WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |

Properties

| | |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form | Liquid |
| Purification | Purified from goat serum by antigen affinity chromatography. |
| Buffer | Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA. |
| Preservative | 0.02% Sodium azide |
| Stabilizer | 0.5% BSA |
| Concentration | 0.5 mg/ml |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

Bioinformation

| | |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Database links | GeneID: 11634 Mouse GeneID: 326 Human Swiss-port # O43918 Human Swiss-port # Q9Z0E3 Mouse |
| Background | This gene encodes a transcriptional regulator that forms nuclear bodies and interacts with the transcriptional coactivator CREB binding protein. The encoded protein plays an important role in immunity by regulating the expression of autoantigens and negative selection of autoreactive T-cells in the thymus. Mutations in this gene cause the rare autosomal-recessive systemic autoimmune disease termed autoimmune polyendocrinopathy with candidiasis and ectodermal dystrophy (APECED). [provided by RefSeq, Jun 2012] |
| Research Area | Gene Regulation antibody; Immune System antibody |
| Calculated Mw | 58 kDa |
| PTM | Phosphorylated. Phosphorylation could trigger oligomerization. |

Images



ARG64102 anti-AIRE antibody WB image

Western Blot: human spleen lysate (35 µg protein in RIPA buffer) stained with ARG64102 anti-AIRE (isoforms 1 + 2) antibody at 0.3 µg/ml dilution.