

## Product datasheet for **TA303113**

### AIRE Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1:32,000. WB: 0.5-1.0ug/ml. IHC: 2.5ug/ml.
Reactivity:	Human, Pig (Expected from sequence similarity: Rat, Dog, Cow)
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide with sequence C-KDVDLSQPRKGRKP, from the internal region of the protein sequence according to NP_000374.1.
Formulation:	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Concentration:	lot specific
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	autoimmune regulator
Database Link:	<a href="#">NP_000374</a> <a href="#">Entrez Gene 294328 Rat</a> <a href="#">Entrez Gene 487796 Dog</a> <a href="#">Entrez Gene 326 Human</a> <a href="#">O43918</a>



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**Background:** This gene encodes 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). [provided by RefSeq]

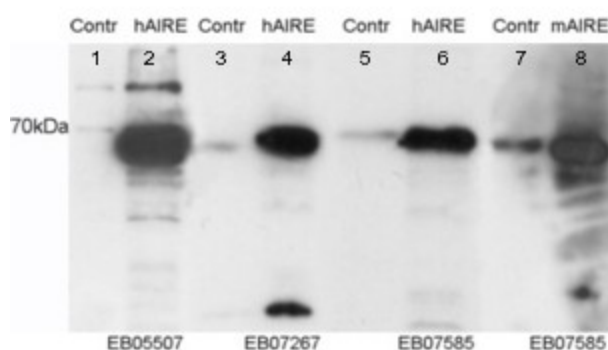
**Synonyms:** AIRE1; APECED; APS1; APSI; PGA1

**Note:** IHC: In paraffin embedded Human Thymus shows nuclear staining in select thymocytes. This product was confirmed in IHC on fetal Pig Thymus.

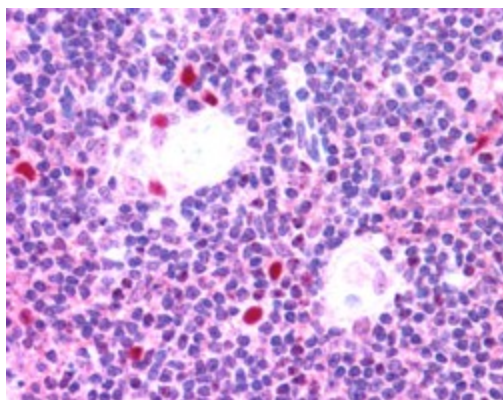
**Protein Families:** Druggable Genome

**Protein Pathways:** Primary immunodeficiency, Ubiquitin mediated proteolysis

**Product images:**



TA303113 staining (0.05ug/ml) of HEK293 cell lysates. Untransfected (Lane 3) and transfected with Human AIRE (lane 4). Data kindly provided by Prof. Pärt Peterson, University of Tartu, Estonia.



TA303113 (2.5ug/ml) staining of paraffin embedded Human Thymus. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.