

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB07267 - Goat Anti-AIRE Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** AIRE, autoimmune regulator (autoimmune polyendocrinopathy candidiasis ectodermal dystrophy), AIRE1, APECED, APS1, APSI, PGA1, autoimmune regulator (APECED protein), autoimmune regulator (automimmune polyendocrinopathy candidiasis ectodermal dystrophy), autoimmune regulator AIRE

**Official Symbol:** AIRE

**Accession Number(s):** NP\_000374.1

**Human GeneID(s):** [326](#)

### Immunogen

Peptide with sequence C-KDVDLSQPRKGRKP, from the internal region of the protein sequence according to NP\_000374.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

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.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:32000.

**Western blot:** Appr. 60kDa in transfected HEK293 lysates (calculated MW of 57.7kDa according to NP\_000374.1). Recommended concentration: 0.5-1.0 µg/ml.

**IHC:** In paraffin embedded Human Thymus shows nuclear staining in select thymocytes. This antibody has been successfully used in IHC on Human: Ströbel P et al. (2014) PMID: 24236644. This antibody has been successfully used in IHC on Pig: Suzuki S et al. (2014) PMID: 24770647.

### Species Reactivity

**Tested:** Human, Pig

**Expected from sequence similarity:** Human, Rat, Dog, Cow

### Specific References

**This antibody has been successfully used in IHC on Pig:**

Suzuki S, Suzuki M, Nakai M, Sembon S, Fuchimoto D, Onishi A.

Transcriptional and histological analyses of the thymic developmental process in the fetal pig.

Exp Anim. 2014;63(2):215-25.

PMID: 24770647

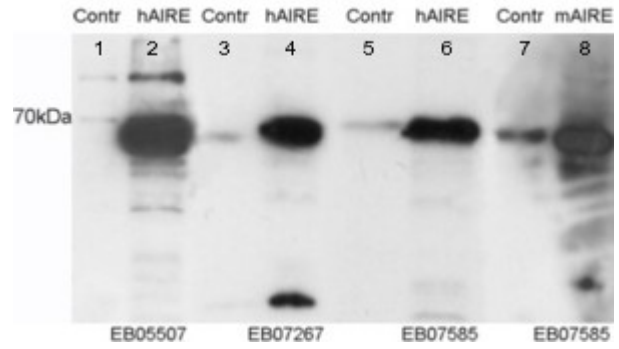
**This antibody has been successfully used in IHC on Human:**

Ströbel P, Hartmann E, Rosenwald A, Kalla J, Ott G, Friedel G, Schalke B, Kasahara M, Tomaru U, Marx A.

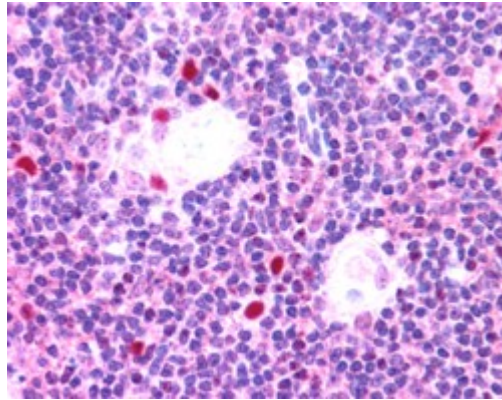
Corticomedullary differentiation and maturational arrest in thymomas.

Histopathology. 2014 Mar;64(4):557-66.

PMID: 24236644



EB07267 staining (0.05 $\mu$ g/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.



EB07267 (2.5 $\mu$ g/ml) staining of paraffin embedded Human Thymus. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.