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

EB07267 - Goat Anti-AIRE (isoform 1) 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 (autoimmune polyendocrinopathy candidiasis ectodermal dystrophy), autoimmune regulator AIRE

Official Symbol: AIRE

Accession Number(s): NP_000374.1

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

Important Comments: This antibody is expected to recognise isoform 1 (NP_000374.1) only.

Immunogen

Peptide with sequence C-KDVLSQPRKGRKP, 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 product was confirmed in IHC on fetal Pig Thymus (PMID: 24770647). Recommended concentration, 2.5µg/ml.

Species Reactivity

Tested: Human, Pig

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

Specific References

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

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 (0.05µg/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 (2.5µg/ml) staining of paraffin embedded Human Thymus. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.