

## Goat anti-AIRE (isoform 1) Antibody

<b>Item Number</b>	dAP-0850
<b>Target Molecule</b>	Principle Name: AIRE (isoform 1); Official Symbol: AIRE; All Names and Symbols: AIRE; autoimmune regulator (autoimmune polyendocrinopathy candidiasis ectodermal dystrophy) ; AIRE1; APECED; APS1; APS1; PGA1 ; autoimmune regulator (APECED protein); autoimmune regulator (autoimmune polyendocrinopathy candidiasis ectodermal dystrophy); ; Accession Number (s): NP_000374.1; Human Gene ID(s): 326; Non-Human GeneID(s):
<b>Immunogen</b>	KDVDLSQPRKGRKP, is from internal region This antibody is expected to recognise isoform 1 (NP_000374.1) only.
<b>Applications</b>	Pep ELISA, WB, IHC  Species Tested: Human, Pig
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 32000.
<b>Western Blot</b>	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.
<b>IHC</b>	Immunohistochemistry: 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.
<b>Reference</b>	Reference(s): Niki S, Oshikawa K, Mouri Y, Hirota F, Matsushima A, Yano M, Han H, Bando Y, Izumi K, Matsumoto M, Nakayama KI, Kuroda N, Matsumoto M. Alteration of intra-pancreatic target-organ specificity by abrogation of Aire in NOD mice. J Clin Invest. 2006 May 1;116(5):1292-1301. Epub 2006 Apr 20.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**