

Goat anti-AIRE (isoforms 1 and 2) Antibody

Item Number	dAP-0369
Target Molecule	Principle Name: AIRE (isoforms 1 and 2); Official Symbol: AIRE; All Names and Symbols: AIRE; autoimmune regulator (autoimmune polyendocrinopathy candidiasis ectodermal dystrophy); APS1; APSI; PGA1; APECED; AIRE protein; autoimmune regulator (APECED protein); autoimmune regulator (autoimmune polyendocrinopathy candidiasis ectodermal dystrop; Accession Number (s): NP_000374.1, NP_000649.1; Human Gene ID(s): 326; Non-Human GeneID(s):
Immunogen	QSMARPAAPFPS, is from C Terminus This antibody is expected to recognize isoforms 1 and 2 (NP_000374.1 and NP_000649.1 respectively).
Applications	Pep ELISA, WB, IHC Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 128000.
Western Blot	Western Blot: Approx 60kDa band observed in Human Lymph Node and Human Spleen lysates (calculated MW of 57.7kDa according to NP_000374.1). Recommended concentration: 0.5-1.5µg/ml. An additional band of unknown identity was also consistently observed at 4
IHC	Immunohistochemistry: In paraffin embedded Human Thymic medula shows staining of select nuclei. Recommended concentration: 2.5µg/ml.
Reference	Reference(s): Kumar PG, Laloraya M, Wang CY, Ruan QG, Davoodi-Semiromi A, Kao KJ, She JX. The autoimmune regulator (AIRE) is a DNA-binding protein. J Biol Chem. 2001 Nov 2;276(44):41357-64. Epub 2001 Aug 31..PMID: 11533054->

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**