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EB07585 - Goat Anti-AIRE (isoforms 1 + 2) 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; NP_000649.1
Human GeneID(s): 326
Non-Human GeneID(s): 11634 (mouse)

Immunogen

Peptide with sequence C-KAKPPKKPESSAEQ, from the internal region of the protein sequence according to NP_000374.1; NP_000649.1.

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 1:64000.
Western blot: Approx 55kDa band observed in human spleen lysates (calculated MW of 57.7kDa according to NP_000374.1). Recommended concentration: 0.3-1µg/ml.

Species Reactivity

Tested: Human, Mouse
Expected from sequence similarity: Human, Rat, Pig, Cow

EB07585 (0.3µg/ml) staining of human spleen lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

EB07585 staining (0.05µg/ml) of HEK293 cell lysates. Untransfected (Lane 5 and 7) and transfected with Human AIRE (lane 6) or Mouse AIRE (lane 7). Data kindly provided by Prof. Pärt Peterson, University of Tartu, Estonia.