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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-AIRE Antibody (HRP)

Product Number: AC21-0210-14

Overview

Host Species: Goat

Clonality: Polyclonal

Purity: Affinity purified using the immunizing peptide. The affinity purified antibody is then conjugated to horseradish peroxidase (HRP) which is an enzyme that has wide applications due to its ability to oxidize substrates into colored substrates (DAB, ABTS, or TMB) or light (ECL).

Conjugate: HRP

Physical Characteristics

Amount: 0.05 mg

Volume: 0.1 ml

Concentration: 0.5 mg/ml

Buffer: 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Storage: Aliquot and store at -20°C. Minimize freezing and thawing.

Specificity

Tested Species Reactivity: Human

Predicted Species Reactivity: Human

Negative Species Reactivity: Unknown

Immunogen: AIRE antibody (HRP) was raised against a synthetic peptide of AIRE. The AIRE peptide immunogen had the following sequence: C-QSMARPAAPFPS AIRE antibody (HRP) is expected to recognize isoforms 1 and 2 (NP_000374.1 and NP_000649.1 respectively).

Blocking Peptide: AIRE peptide, catalog number AC21-0210-P, is the immunizing peptide for this product and can be used as a negative control to block antibody (HRP) binding in a competition or adsorption assay.

Target Information

Accession Number(s): NP_000374.1, NP_000649.1

Gene ID Number(s): 326 (human)

Alternative Names: AIRE; autoimmune regulator (automimmune polyendocrinopathy candidiasis ectodermal dystrophy); APS1; APSI; PGA1; APECED; AIRE protein; autoimmune regulator (APECED protein); autoimmune regulator (autoimmune polyendocrinopathy candidiasis ectodermal dystrop

Application Details

Tested Applications: ELISA, WB, IHC, ChIP

ELISA: Detection limit dilution 1:32000.

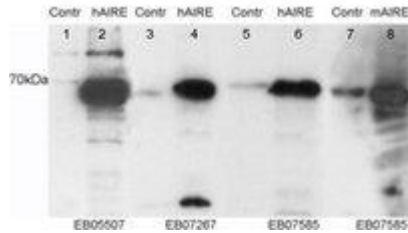
Western Blot: Recommended starting concentration for western blot is 0.01-0.03µg/ml.

Immunohistochemistry: Recommended starting concentration for immunohistochemistry is 2.5µg/ml.

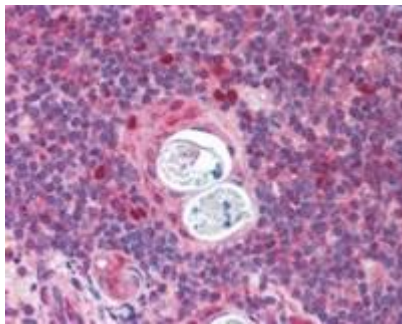
Immunocytochemistry: n/a



Product Images



Western blot using AIRE antibody (unconjugated) (0.01 μ g/ml) on HEK293 cell lysate: untransfected (Lane 1) and transfected with human AIRE (lane 2). Data kindly provided by Prof. Pärt Peterson, University of Tartu, Estonia.



Immunohistochemistry staining using AIRE antibody (unconjugated) (2.5 μ g/ml) to detect endogenous AIRE in paraffin embedded human thymus.