

Rabbit anti-Human, Mouse AIRE Polyclonal Antibody | anti-AIRE antibody

AIRE Antibody

CATALOG # AAA308294	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Immunofluorescence, Western Blot
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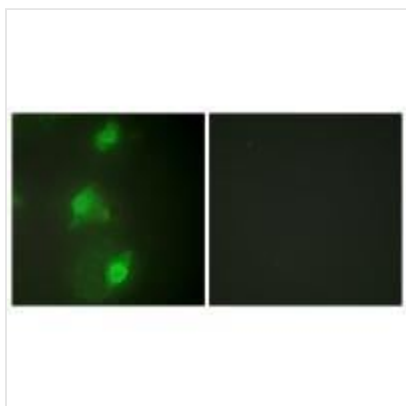
PRODUCT SYNONYMS

AIRE; Polyclonal Antibody; AIRE Antibody; Autoimmune regulator; Autoimmune polyendocrinopathy candidiasis ectodermal dystrophy protein; APECED protein; APECED; anti-AIRE antibody

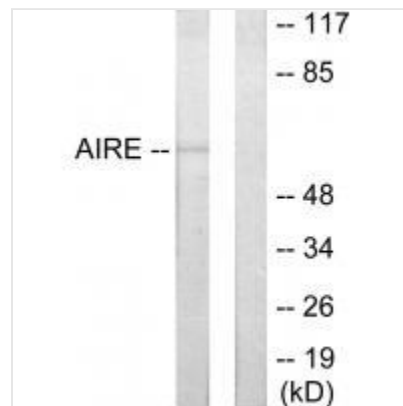
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total AIRE protein.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	545
Applicable Applications for anti-AIRE antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human AIRE.
Target Name	AIRE
Preparation and Storage	Store at -20 degree C

IMAGES


IF (Immunofluorescence)

Immunofluorescence analysis of HeLa cells, using AIRE antibody.


WB (Western Blot)

Western blot analysis of extracts from 293 cells, using AIRE antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-AIRE antibody	Transcriptional regulator that binds to DNA as a dimer or as a tetramer, but not as a monomer. Binds to G-doublets in an A/T-rich environment; the preferred motif is a tandem repeat of 5'- ATTGGTTA-3' combined with a 5'- TTATTA-3' box. Binds to nucleosomes By similarity. Binds to chromatin and interacts selectively with histone H3 that is not methylated at 'Lys-4', not phosphorylated at 'Thr-3' and not methylated at 'Arg-2'. Functions as a sensor of histone H3 modifications that are important for the epigenetic regulation of gene expression. Functions as a transcriptional activator and promotes the expression of otherwise tissue-specific self-antigens in the thymus, which is important for self tolerance and the avoidance of autoimmune reactions.Nagamine K., Nat. Genet. 17:393-398(1997).Aaltonen J., Nat. Genet. 17:399-403(1997).Hattori M., Nature 405:311-319(2000).
Product Categories/Family for anti-AIRE antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557291
NCBI GeneID	326
NCBI Accession #	NP_000374.1
NCBI GenBank Nucleotide #	NM_000383.3
UniProt Accession #	O43918; O43922; O43932; O75745; B2RP50
Molecular Weight	36,501 Da
NCBI Official Full Name	autoimmune regulator
NCBI Official Synonym Full Names	autoimmune regulator
NCBI Official Symbol	AIRE
NCBI Official Synonym Symbols	APS1; APSI; PGA1; AIRE1; APECED
NCBI Protein Information	autoimmune regulator
UniProt Protein Name	Autoimmune regulator
UniProt Gene Name	AIRE
UniProt Synonym Gene Names	APECED; APECED protein
UniProt Entry Name	AIRE_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/aire-antibody-immunofluorescence-western-blot-elisa/308294>