

Rabbit AIRE Polyclonal Antibody | anti-AIRE antibody

AIRE antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA197422	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rat	Western Blot, Immunohistochemistry

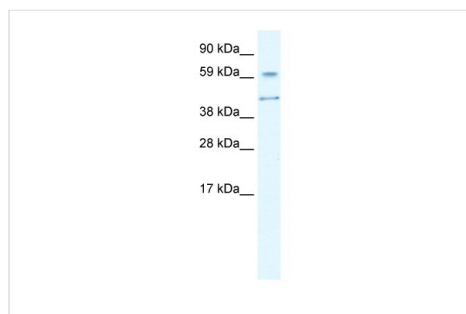
PRODUCT SYNONYMS

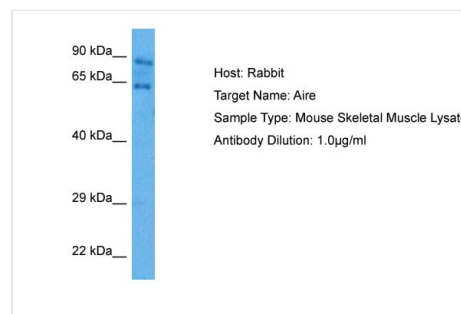
AIRE; Polyclonal Antibody; AIRE antibody - N-terminal region; anti-AIRE antibody

PRODUCT SPECIFICATIONS

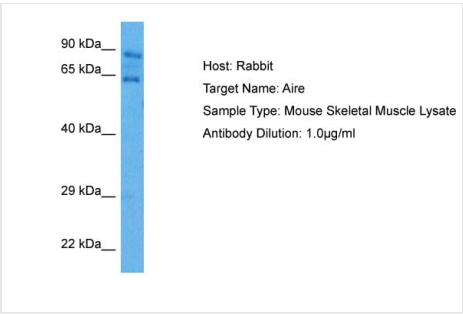
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: HR TEIAVAVDSA FPLLHALADH DVVPEDKFQE TLHLKEKEGC PQAFHALL
Sequence Length	545
Applicable Applications for anti-AIRE antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 92%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human AIRE
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES


WB (Western Blot)

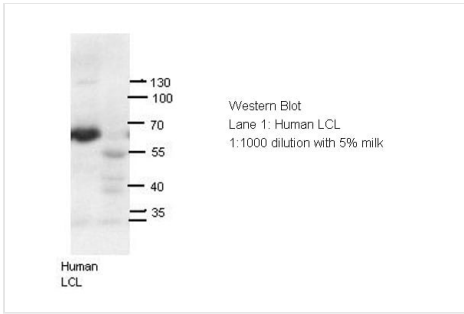
WB Suggested Anti-AIRE Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:1562500
Positive Control: Human Liver

WB (Western Blot)

Host: Rabbit
Target Name: AIRE
Sample Tissue: Mouse Skeletal Muscle
Antibody Dilution: 1.0 ug/ml



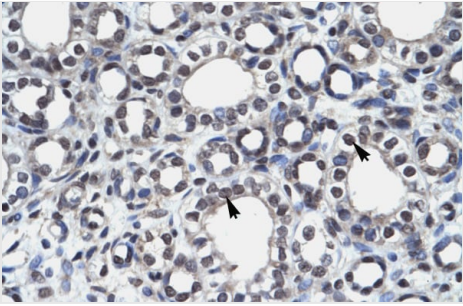
WB (Western Blot)

Host: MouseTarget Name: AIRESample Tissue: Mouse Skeletal MuscleAntibody Dilution: 1 µg/ml



WB (Western Blot)

Sample Type: human LCLAIRE antibody - N-terminal region validated by WB using human LCL at 1:1000.



IHC (Immunohistochemistry)

Rabbit Anti-AIRE AntibodyParaffin Embedded Tissue: Human KidneyCellular Data: Epithelial cells of renal tubuleAntibody Concentration: 4.0-8.0 µg/mlMagnification: 400X

ADDITIONAL INFORMATION

Related Product Information for anti-AIRE antibody	This is a rabbit polyclonal antibody against AIRE. It was validated on Western Blot and immunohistochemistry Target Description: The function of the protein encoded by the AIRE gene is not well defined. However it contains zinc finger motifs suggestive of a transcription factor. The protein (isoform 1) is localized to both the nucleus and cytoplasm. Defects in this gene cause the autosomal-recessive systemic autoimmune disease termed autoimmune polyendocrinopathy-candidiasis-ectodermal dystrophy (APECED).This gene encodes a transcriptional regulator that forms nuclear bodies and interacts with the transcriptional coactivator CBP. At least three splice variant mRNAs products have been described including one which results in a premature stop codon and a transcript predicted to be a candidate for nuclear-mediated decay (NMD). Defects in this gene cause the rare autosomal-recessive systemic autoimmune disease termed autoimmune polyendocrinopathy-candidiasis-ectodermal dystrophy (APECED).
Product Categories/Family for anti-AIRE antibody	Polyclonal; Transcription Factor; Transcription Regulation; Lymphocyte Signaling; Transcription Regulation; Chromatin & Nuclear Signaling; Disease Related; Immunohistochemistry; Transcription Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557291
NCBI GeneID	326
NCBI Accession #	NP_000374
NCBI GenBank Nucleotide #	NM_000383
UniProt Accession #	O43918
Molecular Weight	58kDa
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.

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