

ARG63980 anti-AIRE antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes AIRE
Tested Reactivity	Hu, Pig
Predict Reactivity	Cow, Rat, Dog
Tested Application	IHC-P, WB
Specificity	This antibody is expected to recognise isoform 1 (NP_000374.1) only.
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	AIRE
Species	Human
Immunogen	C-KDVDSLQPRKGRKP
Conjugation	Un-conjugated
Alternate Names	APECED; Autoimmune regulator; APS1; APSI; Autoimmune polyendocrinopathy candidiasis ectodermal dystrophy protein; AIRE1; PGA1; APECED protein

Application Instructions

Application table	Application	Dilution
	IHC-P	Assay - dependent
	WB	0.5 - 1.0 µg/ml
Application Note	IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links

[GeneID: 326 Human](#)

[Swiss-port # O43918 Human](#)

Background

This gene encodes a transcriptional regulator that forms nuclear bodies and interacts with the transcriptional coactivator CREB binding protein. The encoded protein plays an important role in immunity by regulating the expression of autoantigens and negative selection of autoreactive T-cells in the thymus. Mutations in this gene cause the rare autosomal-recessive systemic autoimmune disease termed autoimmune polyendocrinopathy with candidiasis and ectodermal dystrophy (APECED). [provided by RefSeq, Jun 2012]

Research Area

Gene Regulation antibody; Immune System antibody

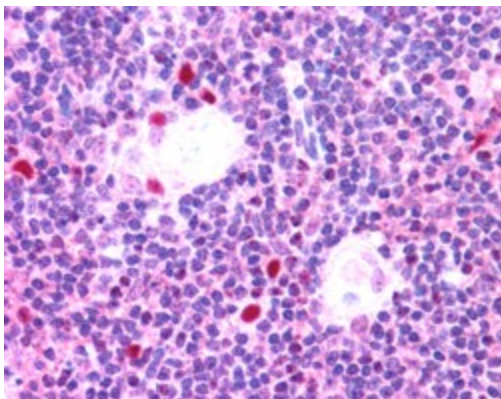
Calculated Mw

58 kDa

PTM

Phosphorylated. Phosphorylation could trigger oligomerization.

Images



ARG63980 anti-AIRE antibody IHC-P image

Immunohistochemistry: paraffin embedded Human Thymus. (Steamed antigen retrieval with citrate buffer pH 6) stained with ARG63980 anti-AIRE (isoform 1) antibody at 2.5 µg/ml dilution followed by AP-staining.