ELK Biotechnology

AIRE-1 (phospho Ser156) rabbit pAb

Cat No.:ES5771

For research use only

Overview

Product Name	AIRE-1 (phospho Ser156) rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human AIRE around the phosphorylation site of Ser156. AA range:126-175
Specificity	Phospho-AIRE-1 (S156) Polyclonal Antibody detects endogenous levels of AIRE-1 protein only when phosphorylated at S156.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Autoimmune regulator
Gene Name	AIRE
Cellular localization	Nucleus . Cytoplasm . Predominantly nuclear but also cytoplasmic (PubMed:11274163, PubMed:14974083). Found in nuclear body-like structures (dots) and in a filamentous vimentin-like pattern (PubMed:11274163, PubMed:14974083, PubMed:26084028). Associated wi
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	50kD
Human Gene ID	326
Human Swiss-Prot Number	O43918
Alternative Names	AIRE; APECED; Autoimmune regulator; Autoimmune polyendocrinopathy candidiasis ectodermal

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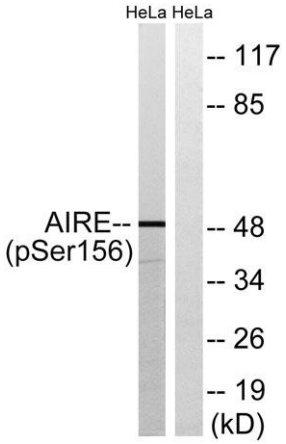
Background

dystrophy protein; APECED protein
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],



Western blot analysis of lysates from HeLa cells treated with Hu 2nM 24h, using AIRE (Phospho-Ser156) Antibody. The lane on the right is blocked with the phospho peptide.

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