AIRE (Phospho-Ser156) Antibody

Catalog No: #11782

Package Size: #11782-1 50ul #11782-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

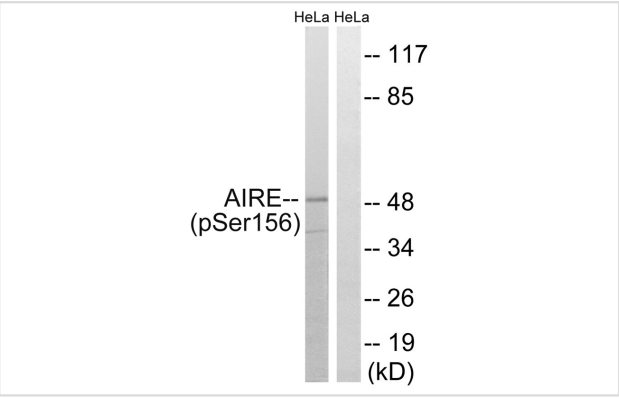
Description

Product Name	AIRE (Phospho-Ser156) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of AIRE only when phosphorylated at serine 156.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of Serine156 P-G-S(p)-Q-L) derived from Human AIRE.
Target Name	AIRE
Modification	Phospho
Other Names	AIRE1; APECED; APS1; APSI; PGA1
Accession No.	Swiss-Prot#: O43918; NCBI Gene#: 326; NCBI Protein#: NP_000374.1.
Uniprot	O43918
GeneID	326;
SDS-PAGE MW	50kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from HeLa cells using AIRE (Phospho-Ser156) Antibody #11782.The lane on the right is treated with the antigen-specific peptide.

Background

The function of the protein encoded by this 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. Three splice variant mRNAs products have been described [1]. The longer AIRE-1 mRNA appears to be more abundant and includes exons 1 through 14. Splice variant AIRE-2 includes a portion of the non-coding region of exon 1, an alternatively spliced longer exon 8, plus exons 9 through 14. Variant AIRE-3 includes the same exon 1-8-9 sequences as found in AIRE-2 but utilizes additional alternative splicing in exon 10 that shifts the reading frame such that a stop codon in exon 12 is utilized.

Nagamine K., Nat. Genet. 17:393-398(1997).
Aaltonen J., Nat. Genet. 17:399-403(1997).
Hattori M., Nature 405:311-319(2000).

Note: This product is for in vitro research use only