

AIRE (Phospho-Ser156) Antibody

Catalog No: #11782



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

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

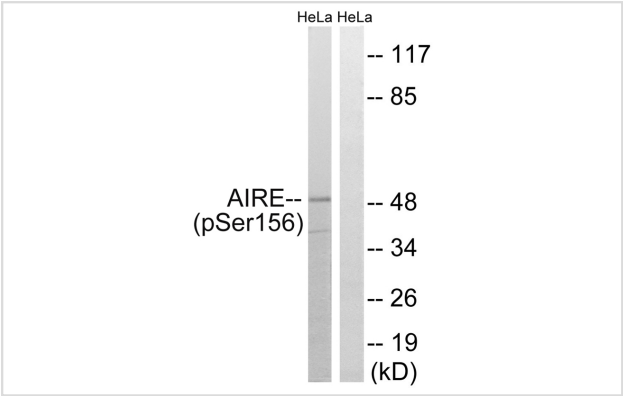
Description

| | |
|-----------------------|---|
| 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 chromatography 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