

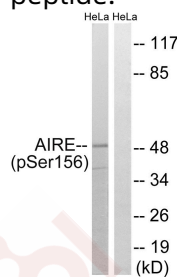
## Anti-Phospho-AIRE (Ser156) Polyclonal Antibody

## Product Details

|                   |  |
|-------------------|--|
| Ig Type:          | IgG  |
| Reactivity:       | Human  |
| Conjugation:      | Unconjugated   |
| Molecular Weight: | Actual: 50 kDa.  |
| 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

Verified Activity: 1. Western blot analysis of extracts from HeLa cells treated with Hu using AIRE (Phospho-Ser156) Antibody TMAC-00104. The lane on the right is treated with the antigen-specific peptide.



|              |                |
|--------------|----------------|
| Application: | WB             |
| Recommended  | WB: 1:500-1000 |

## Properties

|                      |   |
|----------------------|---|
| Stability & Storage: | Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. |
| Shipping:            | Shipping with blue ice.   |

## Antigen Details

|                  |  |
|------------------|--|
| Immunogen:       | Peptide sequence around phosphorylation site of Serine156 P-G-S(p)-Q-L derived from Human AIRE |
| Antigen Species: | human  |
| Uniprot ID:      | O43918   |
| Synonyms:        | AIRE (p-S156);p-AIRE (Ser156);p-AIRE (S156);AIRE (p-Ser156)                                    |

## Research 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

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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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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