AIRE (Phospho-Ser156) Conjugated Antibody

Catalog No: #C11782

Package Size: #C11782-AF350 100ul #C11782-AF405 100ul #C11782-AF488 100ul #C11782-AF555 100ul #C11782-AF594 100ul #C11782-AF647 100ul #C11782-AF680 100ul #C11782-AF750 100ul #C11782-Biotin 100ul

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Description

Product Name	AIRE (Phospho-Ser156) Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of AIRE only when phosphorylated at serine 156.
Immunogen Description	Peptide sequence around phosphorylation site of Serine156 P-G-S(p)-Q-L) derived from Human AIRE.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	AIRE1; APECED;APS1;APSI;PGA1
Accession No.	Swiss-Prot#:O43918NCBI Gene ID:326NCBI mRNA#:NM_000383.3.NCBI Protein#:NP_000374.1.
Uniprot	O43918
GeneID	326;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	50
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Product Description

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.

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.

Note: This product is for in vitro research use only