Datasheet for ABIN5647007

anti-AIRE antibody

2 Images

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Overview

Quantity:	100 µg
Target:	AIRE
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AIRE antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	Amino acids M1-K120 from the human protein were used as the immunogen for the AIRE antibody.
Isotype:	IgG
Purification:	Antigen affinity purified

Target Details

Target:	AIRE
Alternative Name:	AIRE (AIRE Products)
Background:	The autoimmune regulator (AIRE) is a protein that in humans is encoded by the AIRE gene. 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

Target Details

	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).
UniProt:	O43918
Pathways:	Chromatin Binding

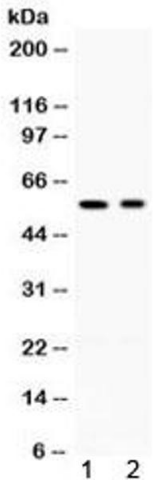
Application Details

Application Notes:	Western blot: 0.5-1 µg/mL,FACS: 1-3 µg/10^6 cells
Restrictions:	For Research Use only

Handling

Buffer:	0.5 mg/mL if reconstituted with 0.2 mL sterile DI water
Storage:	-20 °C
Storage Comment:	Prior to reconstitution, store at 4°C. After reconstitution, the AIRE antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

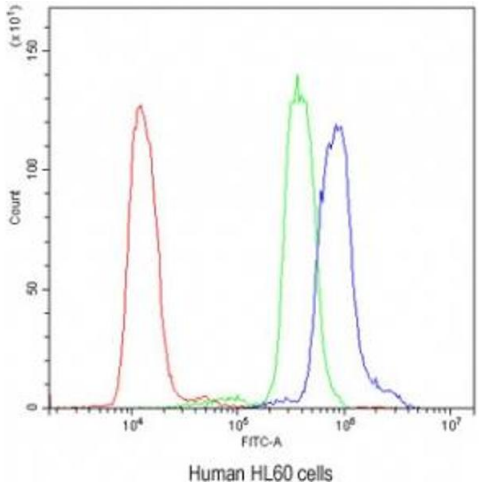
Images



Western Blotting

Image 1. Western blot testing of 1) rat testis and 2) human HeLa lysate with AIRE antibody at 0.5ug/ml. Expected molecular weight ~58 kDa.

Images



Flow Cytometry

Image 2. Flow cytometry testing of human HL60 cells with AIRE antibody at 1ug/10^6 cells (blocked with goat sera)