

Datasheet for ABIN6992142

## anti-Retinoic Acid Early Transcript 1E (RAET1E) (AA 160-210) antibody



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### Overview

Quantity:	0.1 mg
Target:	Retinoic Acid Early Transcript 1E (RAET1E)
Binding Specificity:	AA 160-210
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	ELISA, Western Blotting (WB), Immunocytochemistry (ICC)

### Product Details

Immunogen:	RAET1E antibody was raised against an 18 amino acid peptide near the center of human RAET1E. The immunogen is located within amino acids 160 - 210 of RAET1E.
Isotype:	IgG
Specificity:	RAET1E antibody is human and mouse reactive. At least four isoforms of RAET1E are known to exist, this antibody will detect all four.
Purification:	RAET1E antibody is affinity chromatography purified via peptide column.

### Target Details

Target:	Retinoic Acid Early Transcript 1E (RAET1E)
Alternative Name:	RAET1E ( <a href="#">RAET1E Products</a> )

## Target Details

Background:	The Retinoic acid early transcript 1E (RAET1E) belongs to the RAET1 family, which consists of major histocompatibility complex (MHC) class I-related genes located in a cluster on chromosome 6q24.2-q25.3 (1). Like the related protein RAET1G, RAET1E differs from other RAET1 proteins in that they have type I membrane-spanning sequences at their carboxy termini rather than glycosylphosphatidylinositol anchor sequences (2). RAET1E functions as a ligand for NKG2D receptor, which is expressed on the surface of several types of immune cells, and is involved in innate and adaptive immune responses (1,3).
Molecular Weight:	Predicted: 29 kDa  Observed: 29 kDa
Gene ID:	135250
NCBI Accession:	<a href="#">NP_631904</a>
UniProt:	<a href="#">P84103</a>

## Application Details

Application Notes:	RAET1E antibody can be used for detection of RAET1E by Western blot at 1 - 2 µg/mL.  Antibody can also be used for immunocytochemistry starting at 2.5 µg/mL.  Antibody validated: Western Blot in mouse samples and Immunocytochemistry in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	RAET1E antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C, 4 °C
Storage Comment:	RAET1E antibody can be stored at 4°C for three months and -20°C, stable for up to one year.