

#### **RAET1E Antibody(Center)**

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP19552c

## **Specification**

# **RAET1E Antibody(Center) - Product Information**

WB,E Application **Primary Accession O8TD07** Other Accession NP 631904.1 Reactivity Human Host **Rabbit** Clonality **Polyclonal** Isotype Rabbit IgG Calculated MW 30122 Antigen Region 150-179

## RAET1E Antibody(Center) - Additional Information

#### Gene ID 135250

#### **Other Names**

NKG2D ligand 4, N2DL-4, NKG2DL4, Lymphocyte effector toxicity activation ligand, RAE-1-like transcript 4, RL-4, Retinoic acid early transcript 1E, RAET1E, LETAL, N2DL4, ULBP4

### Target/Specificity

This RAET1E antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 150-179 amino acids from the Central region of human RAET1E.

## **Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

#### **Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

### **Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### **Precautions**

RAET1E Antibody(Center) is for research use only and not for use in diagnostic or therapeutic procedures.

# **RAET1E Antibody(Center) - Protein Information**

Name RAET1E {ECO:0000303|PubMed:11827464, ECO:0000312|HGNC:HGNC:16793}



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Function Binds and activates the KLRK1/NKG2D receptor, mediating natural killer cell cytotoxicity.

#### **Cellular Location**

Membrane; Single- pass type I membrane protein

#### **Tissue Location**

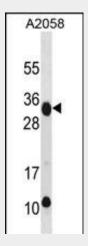
Predominantly expressed in the skin, but also expressed in testis and trachea. Up-regulated in tumor cells of different origins. Expression progressively decreased after treatment of tumor cells with retinoic acid.

#### **RAET1E Antibody(Center) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## RAET1E Antibody(Center) - Images



RAET1E Antibody (Center) (Cat. #AP19552c) western blot analysis in A2058 cell line lysates (35ug/lane). This demonstrates the RAET1E antibody detected the RAET1E protein (arrow).

## RAET1E Antibody(Center) - Background

Members of the RAET1 family, such as RAET1E, are major histocompatibility complex (MHC) class I-related genes located within a 180-kb cluster on chromosome 6q24.2-q25.3. RAET1 proteins contain MHC class I-like alpha-1 and alpha-2 domains. RAET1E and RAET1G (MIM 609244) differ from the other RAET1 proteins (e.g., RAET1I, or ULBP1; MIM 605697) in that they have type I membrane-spanning sequences at their C termini rather than glycosylphosphatidylinositol anchor sequences. RAET1E is a ligand for NKG2D (KLRK1; MIM 611817), which is expressed on the surface of several types of immune cells and is involved in innate and





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adaptive immune responses (summary by Radosavljevic et al. (2002) [PubMed 11827464] and Cao et al. (2007) [PubMed

# **RAET1E Antibody(Center) - References**

McGilvray, R.W., et al. Int. J. Cancer 127(6):1412-1420(2010) Antoun, A., et al. Hum. Immunol. 71(6):610-620(2010) Davila, S., et al. Genes Immun. 11(3):232-238(2010) Romphruk, A.V., et al. Immunogenetics 61(9):611-617(2009) Kong, Y., et al. Blood 114(2):310-317(2009)