

RAET1G Rabbit pAb

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Catalog # AP57900

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q6H3X3
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37106
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human RAET1G
Epitope Specificity	131-230/334
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4.
SUBCELLULAR LOCATION	Cell membrane.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a member of the major histocompatibility complex (MHC) class I family of proteins. Although the encoded protein includes C-terminal transmembrane and cytoplasmic domains, proteolytic processing results in the removal of these domains and subsequent tethering to the plasma membrane by a glycosylphosphatidylinositol (GPI)-anchor. The encoded protein is one of several related ligands of the natural killer group 2, member D (NKG2D) receptor, which functions as an activating receptor in innate and adaptive immunity. This gene is present in a gene cluster on chromosome 6. [provided by RefSeq, Jul 2015]

Additional Information

Gene ID	353091
Other Names	UL-16 binding protein 5, Retinoic acid early transcript 1G protein {ECO:0000312 HGNC:HGNC:16795}, RAET1G {ECO:0000303 PubMed:19223974, ECO:0000312 HGNC:HGNC:16795}
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	RAET1G {ECO:0000303 PubMed:19223974, ECO:0000312 HGNC:HGNC:16795}
Function	[Isoform 1]: Binds and activates the KLRK1/NKG2D receptor, mediating natural killer cell cytotoxicity.
Cellular Location	[Isoform 1]: Cell membrane; Lipid-anchor, GPI-anchor. Endoplasmic reticulum. Note=Mainly found intracellularly.
Tissue Location	Isoform 1 is highly expressed in colon and in a number of tumor cell lines and highly restricted in normal tissues Both isoforms are frequently expressed in cell lines derived from epithelial cancers, and in primary breast cancers

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.