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RARRES1 Rabbit pAb

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Catalog # AP57422

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P49788
Predicted	Rat, Pig, Dog, Human, Mouse, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	33285
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human RARRES1
Epitope Specificity	201-294/294
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane; Single-pass type II membrane protein (Potential).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	RARRES1 (Retinoic acid receptor responder 1) is a retinoid-regulated gene whose expression is down-regulated through DNA hypermethylation. It was originally identified as a target gene that was induced by the synthetic retinoid tazarotene (AGN 190168). Its expression is upregulated by retinoic acid receptor-specific, but not by retinoid X receptor-specific retinoids. Although the function of RARRES1 is not entirely clear, it is thought to act as a tumor suppressor of a variety of human cancers since inactivation of RARRES1 is involved in the malignant progression of prostate cancer. It may also function as a cell adhesion molecule. Additionally, RARRES1 may also have protease inhibitor activity and inhibit the degradation of extracellular matrix.

Additional Information

Gene ID	5918
Other Names	Retinoic acid receptor responder protein 1, Phorbol ester-induced gene 1 protein, PERG-1, RAR-responsive protein TIG1, Tazarotene-induced gene 1 protein, RARRES1, PEIG1, TIG1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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	RARRES1
Synonyms	PEIG1, TIG1
Function	Inhibitor of the cytoplasmic carboxypeptidase AGBL2, may regulate the alpha-tubulin tyrosination cycle.
Cellular Location	Membrane; Single- pass type III membrane protein. Secreted
Tissue Location	Detected in urine (at protein level).

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