

For Research Use Only

# RERG Polyclonal antibody

Catalog Number: 10687-1-AP

Featured Product

5 Publications



## Basic Information

Catalog Number:

10687-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1041

GenBank Accession Number:

BC007997

GeneID (NCBI):

85004

UNIPROT ID:

Q96A58

Full Name:

RAS-like, estrogen-regulated, growth inhibitor

Calculated MW:

23 kDa

Observed MW:

23-26 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:1000-1:6000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse

Cited Species:

human

Positive Controls:

WB: NIH/3T3 cells, MCF-7 cells

## Background Information

RERG (Ras-related and estrogen-regulated growth inhibitor), a gene that encodes a small GTP binding and hydrolyzing protein (GTPase) of the Ras superfamily, is a novel gene that was first reported in breast cancer. RERG gene expression is stimulated by the estrogen receptor alpha (ERalpha), and RERG gene expression is absent in ER-negative breast cancer. RERG can bind and hydrolyze GTP as a GTP/GDP molecular switch, and RERG has been shown to possess growth inhibitory activity in breast cancer cells.

## Notable Publications

Author	Pubmed ID	Journal	Application
Ying Xiong	30431143	Oncol Rep	
Lucie Coillard	35847954	Front Oncol	WB, IF
Xujuan Zhang	37457559	Front Med (Lausanne)	IHC

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

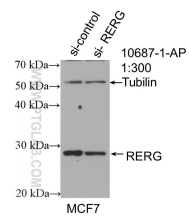
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

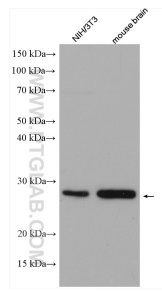
W: [ptgcn.com](http://ptgcn.com)

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Selected Validation Data



WB result of RERG antibody (10687-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-RERG transfected MCF-7 cells.



Various lysates were subjected to SDS PAGE followed by western blot with 10687-1-AP (RERG antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.