

# RASEF Monoclonal antibody

Catalog Number: 67159-1-Ig

## Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
67159-1-Ig	BC023566	Protein A purification
Size:	GeneID (NCBI):	CloneNo.:
2000 µg/ml	158158	1C2B2
Source:	UNIPROT ID:	Recommended Dilutions:
Mouse	Q8IZ41	WB 1:1000-1:6000
Isotype:	Full Name:	IHC 1:500-1:2000
IgG2a	RAS and EF-hand domain containing	IF 1:200-1:800
Immunogen Catalog Number:	Calculated MW:	
AG2149	740 aa, 83 kDa	
	Observed MW:	
	90 kDa	

## Applications

Tested Applications:  
IF/ICC, IHC, WB, ELISA

Species Specificity:  
Human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

WB : LNCaP cells,

IHC : human prostate cancer tissue, human ovary tumor tissue, human pancreas cancer tissue, mouse pancreas tissue

IF : A431 cells,

## Background Information

The RASEF (RAS and EF-hand domain-containing protein), a member of Rab GTPase protein family, contains a Rab GTPase domain in the C-terminal region, a coiled coil motif in an internal region as well as 2 EF hand domains which were of importance for binding to calcium ions in the N-terminus.

## Storage

Storage:

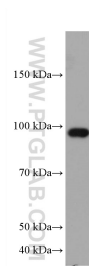
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

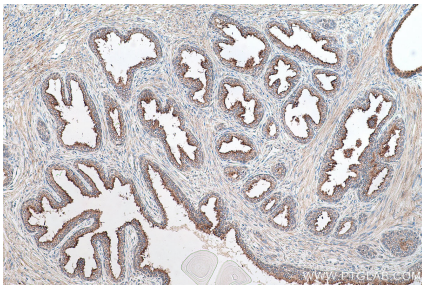
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

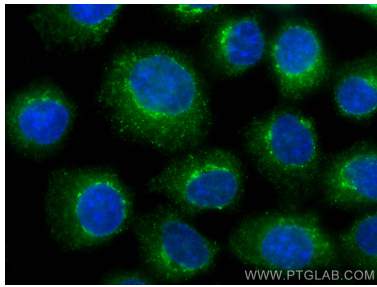
Selected Validation Data



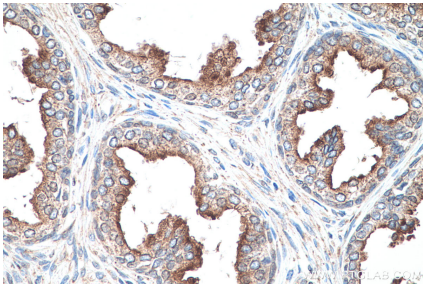
LNCaP cells were subjected to SDS PAGE followed by western blot with 67159-1-Ig (RASEF antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 67159-1-Ig (RASEF antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using RASEF antibody (67159-1-Ig, Clone: 1C2B2 ) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 67159-1-Ig (RASEF antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).