abcam

Product datasheet

Anti-RGNEF antibody ab157095

2 References   2 Images

Overview

Product name	Anti-RGNEF antibody
Description	Rabbit polyclonal to RGNEF
Host species	Rabbit
Tested applications	**Suitable for:** WB, IP
Species reactivity	**Reacts with:** Human
	Predicted to work with: Non human primates, Rhesus monkey, Gorilla, Orangutan
Immunogen	Synthetic peptide corresponding to Human RGNEF aa 1650-1750. Database link: **Q8N1W1**
Positive control	HeLa, 293T and Jurkat whole cell lysate (**ab7899**).
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.
	If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	pH: 7 Preservative: 0.09% Sodium azide Constituent: 99% Tris citrate/phosphate
	pH 7-8
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our **Abpromise guarantee** covers the use of ab157095 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000 - 1/5000. Predicted molecular weight: 192 kDa.
IP		Use at 2-10 µg/mg of lysate.

Target

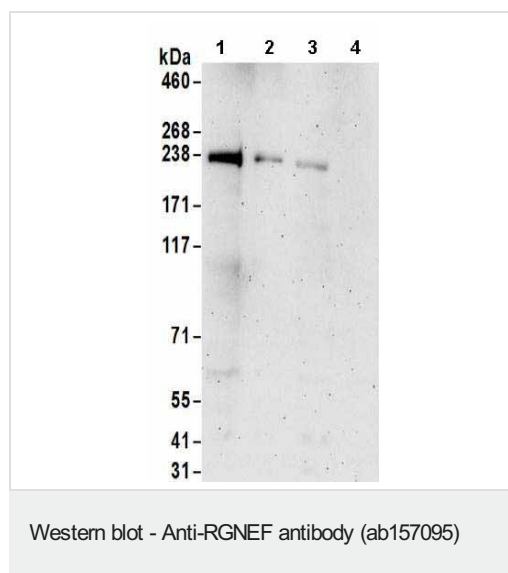|	
Function	Functions as a RHOA-specific guanine nucleotide exchange factor regulating signaling pathways downstream of integrins and growth factor receptors. Functions in axonal branching, synapse formation and dendritic morphogenesis. Functions also in focal adhesion formation, cell motility and B-lymphocytes activation. May regulate NEFL expression and aggregation and play a role in apoptosis.
Sequence similarities	Contains 1 DH (DBL-homology) domain. Contains 1 PH domain. Contains 1 phorbol-ester/DAG-type zinc finger.
Post-translational modifications	Phosphorylated on tyrosine upon stimulation of cells by laminin.
Cellular localization	Cytoplasm. Cell membrane. Colocalizes with the microtubule radial and cortical systems.

Images

Western blot - Anti-RGNEF antibody (ab157095)

All lanes : Anti-RGNEF antibody (ab157095) at 0.4 µg/ml

Lane 1 : HeLa whole cell lysate at 50 µg

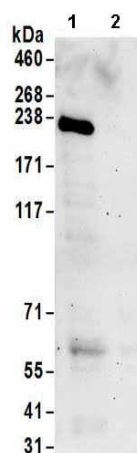**Lane 2 :** HeLa whole cell lysate at 15 µg

Lane 3 : 293T whole cell lysate at 50 µg

Lane 4 : Jurkat whole cell lysate at 50 µg

Developed using the ECL technique.

Predicted band size: 192 kDa

Exposure time: 3 minutes

Immunoprecipitation. ab157095 at 1 µg/ml staining RGNEF in HeLa whole cell lysate immunoprecipitated using ab157095 at 6 µg/mg lysate (1 mg/IP; 20% of IP loaded/lane). Lane 2: Control IgG. Predicted band size : 192 kDa. Exposure time: 3 minutes

Immunoprecipitation - Anti-RGNEF antibody (ab157095)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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