abcam

Product datasheet

Anti-ARFGEF2/BIG2 antibody ab72420

★★★★★ **2 Abreviews**   3 Images

Overview

Product name	Anti-ARFGEF2/BIG2 antibody
Description	Rabbit polyclonal to ARFGEF2/BIG2
Host species	Rabbit
Tested applications	**Suitable for:** WB, IP, IHC-P
Species reactivity	**Reacts with:** Human
	Predicted to work with: Chimpanzee, Rhesus monkey, Gorilla, Orangutan ⚠
Immunogen	Synthetic peptide corresponding to Human ARFGEF2/BIG2. GenBank: NP_006411.1 Database link: **Q9Y6D5**
Positive control	HeLa whole cell lysate.
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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 6.8 Preservative: 0.09% Sodium azide Constituents: 0.1% BSA, Tris buffered saline
Purity	Immunogen affinity purified
Purification notes	ab72420 was affinity purified using an epitope specific to ARFGEF2/BIG2 immobilized on solid support.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee   Our **Abpromise guarantee** covers the use of ab72420 in the following tested applications.

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

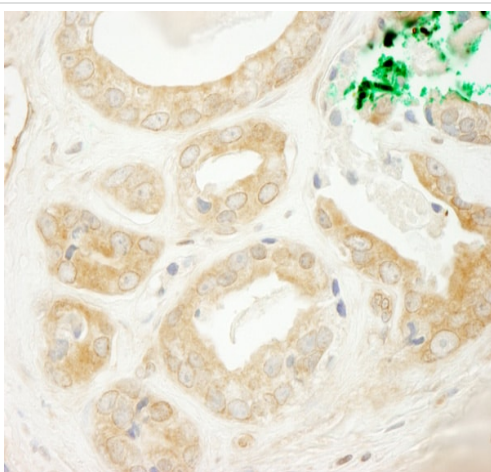| Application	Abreviews	Notes
WB	★★★★★ (1)	1/2000 - 1/10000. Detects a band of approximately 202 kDa (predicted molecular weight: 202 kDa).
IP		Use at 2-5 µg/mg of lysate.
IHC-P		1/100 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

Relevance   ADP-ribosylation factors (ARFs) play an important role in intracellular vesicular trafficking. ARFGEF2 promotes guanine-nucleotide exchange on ARF1, ARF5 and ARF6 and the activation of ARF1/ARF5/ARF6 through replacement of GDP with GTP. It contains a Sec7 domain, which may be responsible for its guanine-nucleotide exchange activity and also brefeldin A inhibition.
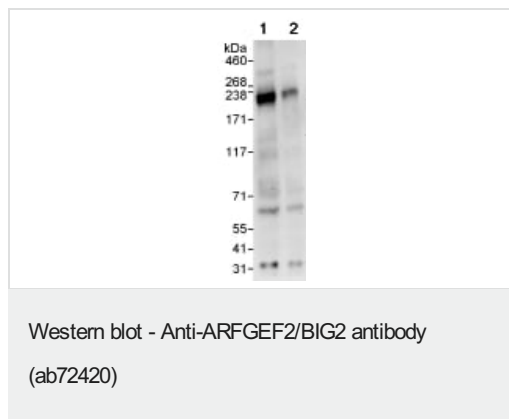
Cellular localization   Cytoplasm. Membrane. Golgi apparatus. Cytoplasm › perinuclear region. Golgi apparatus › trans-Golgi network By similarity. Endosome By similarity. Cytoplasm › cytoskeleton › microtubule organizing center › centrosome. Cell projection › dendrite By similarity. Cytoplasmic vesicle By similarity. Cell junction › synapse By similarity. Cytoplasm › cytoskeleton By similarity. Note: Translocates from cytoplasm to membranes upon cAMP treatment. Localized in recycling endosomes.

Images

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ARFGEF2/BIG2 antibody (ab72420)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human prostate carcinoma tissue labelling ARFGEF2/BIG with ab72420 at 1/200 (1µg/ml). Detection: DAB.

Western blot - Anti-ARFGEF2/BIG2 antibody (ab72420)

All lanes : Anti-ARFGEF2/BIG2 antibody (ab72420) at 0.04 µg/ml
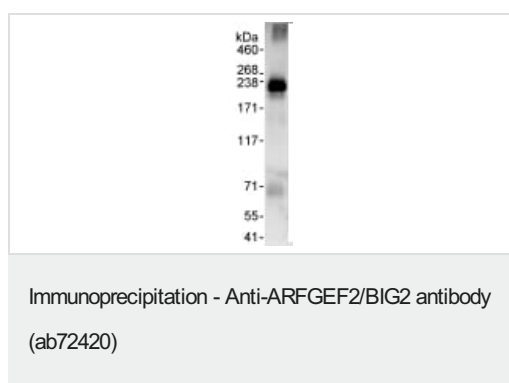
Lane 1 : HeLa whole cell lysate at 50 µg
Lane 2 : HeLa whole cell lysate at 15 µg

Developed using the ECL technique.

Predicted band size: 202 kDa
Observed band size: 202 kDa

Exposure time: 3 minutes

Immunoprecipitation - Anti-ARFGEF2/BIG2 antibody (ab72420)

Detection of ARFGEF2/BIG by Western Blot of Immunprecipitate. ab72420 at 1µg/ml staining ARFGEF2/BIG in HeLa whole cell lysate immunoprecipitated using ab72420 at 3µg/mg lysate (1 mg/IP; 20% of IP loaded/lane).
Detection: Chemiluminescence with exposure time of 30 seconds.

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

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