


Product datasheet

Anti-FBP17 antibody ab100918

[1 References](#) [2 Images](#)

Overview

Product name	Anti-FBP17 antibody
Description	Rabbit polyclonal to FBP17
Host species	Rabbit
Tested applications	Suitable for: WB, IP
Species reactivity	Reacts with: Human Predicted to work with: Rat, Horse, Chicken, Cow, Dog, Turkey, Pig, Chimpanzee, Rhesus monkey, Orangutan, Platypus 
Immunogen	Other Immunogen Type within Human FBP17 aa 350-400. The exact sequence is proprietary. Database link: NP_055848.1
Positive control	HeLa, 293T lysates
General notes	<p>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.</p> <p>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</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7 Preservative: 0.09% Sodium azide Constituent: Tris citrate/phosphate
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab100918 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		1/2000 - 1/10000. Predicted molecular weight: 71 kDa.
IP		Use at 5-15 µg/mg of lysate.

Target

Function

May act as a link between RND2 signaling and regulation of the actin cytoskeleton (By similarity). Required to coordinate membrane tubulation with reorganization of the actin cytoskeleton during endocytosis. Binds to lipids such as phosphatidylinositol 4,5-bisphosphate and phosphatidylserine and promotes membrane invagination and the formation of tubules. Also enhances actin polymerization via the recruitment of WASL/N-WASP, which in turn activates the Arp2/3 complex. Actin polymerization may promote the fission of membrane tubules to form endocytic vesicles. May be required for the lysosomal retention of FASLG/FASL.

Tissue specificity

Very highly expressed in the epithelial cells of the gastrointestinal tract, respiratory, reproductive and urinary systems. Also highly expressed in brown adipose tissue, cardiomyocytes, enteric ganglia and glucagon producing cells of the pancreas. Expressed in germ cells of the testis and all regions of the brain.

Involvement in disease

Note=A chromosomal aberration involving FBNP1 is found in acute leukemias. Translocation t(9;11)(q34;q23) with MLL. The relatively low incidence of the MLL-FBNP1 fusion protein in acute leukemia may reflect the marginal capacity of this fusion protein to induce cellular transformation.

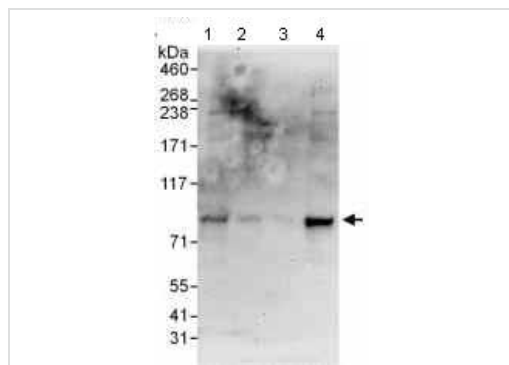
Sequence similarities

Belongs to the FBNP1 family.
Contains 1 FCH domain.
Contains 1 REM (Hr1) repeat.
Contains 1 SH3 domain.

Cellular localization

Cytoplasm. Cytoplasm > cytoskeleton. Cytoplasm > cell cortex. Lysosome. Cytoplasmic vesicle. Cell membrane. Enriched in cortical regions coincident with F-actin. Also localizes to endocytic vesicles and lysosomes.

Images



Western blot - Anti-FBP17 antibody (ab100918)

All lanes : Anti-FBP17 antibody (ab100918) at 0.1 µg/ml

Lane 1 : HeLa Whole Cell Lysate at 50 µg

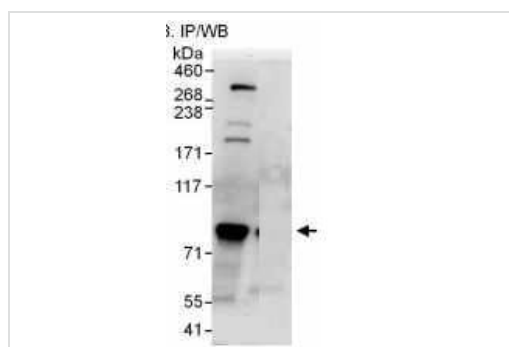
Lane 2 : HeLa Whole Cell Lysate at 15 µg

Lane 3 : HeLa Whole Cell Lysate at 5 µg

Lane 4 : 293T Whole Cell Lysate at 50 µg

Predicted band size: 71 kDa

Exposure time: 3 minutes



Immunoprecipitation - Anti-FBP17 antibody
(ab100918)

ab100918 at 1 µg/ml staining FBP17 in HeLa cell lysate

immunoprecipitated using ab100918 at 10 µg/mg lysate (1 mg/IP;

20% of IP loaded/lane). Exposure time: 30 seconds

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

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