9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

11-10046: Polyclonal Antibody to FNBP1

Clonality :	Polyclonal
Application :	WB
Reactivity :	Mouse,Human
Gene :	FNBP1
Gene ID :	23048
Uniprot ID :	Q96RU3
Format :	Purified
Alternative Name :	FBP17,Â KIAA0554
Isotype :	Rabbit IgG
Immunogen Information :	A partial length recombinant FNBP1 protein (amino acids 40-260) was used as the immunogen for this antibody.

Description

FNBP1 (formin binding protein 1) also known as FBP17,is an F-BAR domain protein that belongs to the formin-binding-protein family. It has a powerful self-polymerizing ability that promotes actin nucleation on membranes. F-BAR domain of FBP17 is capable of self-polymerizing into filaments, which adhere to the flat bilayer sheets and form a spiral protein coat around the tubulated membrane that they then induce. The gene for FNB1 maps to chromosome 9q34 and consists of a C-terminal Src homology 3 domain and an N-terminal region that is homologous to the cell division cycle protein, cdc15, a regulator of the actin cytoskeleton. The assembly of FBP17 is dependent on WASP, and its dissociation by WASP inhibition strongly induces a self-organization of PSTPIP2, another F-BAR protein, at podosomes. Podosomes/invadopodia are highly dynamic adhesive actin-based structures with enrichment of matrix metalloproteases (MMPs) activity formed at the ventral surface of the cell body, which are seen in macrophages, osteoclasts, dendritic cells and some cancer cells.

Product Info

Amount :	25 µg / 100 µg
Purification :	Protein A Chromatography
Content :	25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Western blot analysis: 2-4 µg/ml

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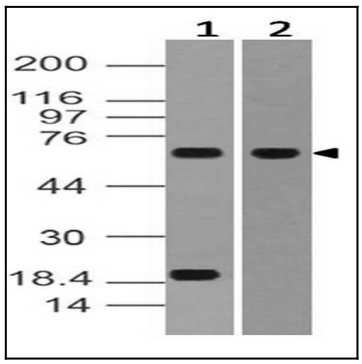

Figure-1: Western blot analysis of FNBP1. Anti-FNBP1 antibody (11-10046) was used at 2 µg/ml on (1) h Pancrease and (2) m Pancrease lysates.