

## DBNL Rabbit pAb

CatalogNo: YN6347

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB

#### MW

- 47kD (Calculated)

#### Isotype

- IgG

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Recommended Dilution Ratios

WB 1:500-2000

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** Synthesized peptide derived from human DBNL

**Specificity** This antibody detects endogenous levels of DBNL at Human, Mouse, Rat

### Target Information

**Gene name** DBNL CMAP SH3P7 PP5423

**Protein Name** Drebrin-like protein (Cervical SH3P7) (Cervical mucin-associated protein) (Drebrin-F) (HPK1-interacting protein of 55 kDa) (HIP-55) (SH3 domain-containing protein 7)

Organism	Gene ID	UniProt ID
Human	<a href="#">28988</a> ;	<a href="#">Q9UJU6</a> ;
Mouse	<a href="#">13169</a> ;	<a href="#">Q62418</a> ;
Rat	<a href="#">83527</a> ;	<a href="#">Q9JHL4</a> ;

**Cellular Localization** Cytoplasm, cytoskeleton . Cell projection, lamellipodium . Cell projection, ruffle . Cytoplasm, cell cortex . Cytoplasm, cytosol . Cell junction, synapse . Perikaryon . Cell projection, neuron projection . Cell membrane ; Peripheral membrane protein ; Cytoplasmic side . Cytoplasmic vesicle, clathrin-coated vesicle membrane ; Peripheral membrane protein ; Cytoplasmic side . Golgi apparatus membrane ; Peripheral membrane protein ; Cytoplasmic side . Cell projection, podosome . Early endosome . Cell projection, dendrite . Cell junction, synapse, postsynaptic density . Associates with lamellipodial actin and membrane ruffles. Colocalizes with actin and cortactin at podosome dots and podosome rosettes. .

**Function** Adapter protein that binds F-actin and DNM1, and thereby plays a role in receptor-mediated endocytosis. Plays a role in the reorganization of the actin cytoskeleton, formation of cell projections, such as neurites, in neuron morphogenesis and synapse formation via its interaction with WASL and COBL. Does not bind G-actin and promote actin polymerization by itself. Required for the formation of organized podosome rosettes (By similarity). May act as a common effector of antigen receptor-signaling pathways in leukocytes. Acts as a key component of the immunological synapse that regulates T-cell activation by bridging TCRs and the actin cytoskeleton to gene activation and endocytic processes.

## | Validation Data

## | Contact information

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**DBNL Rabbit pAb**

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