

## BNP Rabbit pAb

CatalogNo: YN5721

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human

#### Applications

- IHC

#### MW

- 37kD (Observed)

#### Isotype

- IgG

### Recommended Dilution Ratios

IHC 1:50-200

### 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.

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** Synthesized peptide derived from human BNP AA range: 89-139

**Specificity** This antibody detects endogenous levels of BNP at Human

### Target Information

**Gene name** MLST8 GBL LST8

**Protein Name** BNP

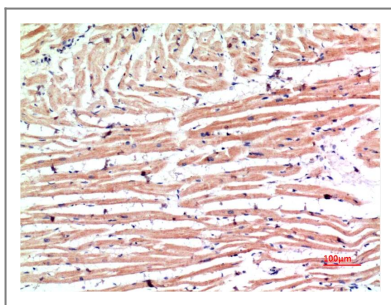
Organism	Gene ID	UniProt ID
Human	<a href="#">64223;</a>	<a href="#">Q9BVC4;</a>
Mouse	<a href="#">56716;</a>	<a href="#">Q9DCJ1;</a>
Rat	<a href="#">64226;</a>	<a href="#">Q9Z2K5;</a>

**Cellular Localization** Cytoplasm .

**Tissue specificity** Broadly expressed, with highest levels in skeletal muscle, heart and kidney.

**Function** Function:Unessential component of the TORC1 complex and essential component of the TORC2 complex. TORC1 controls cell growth in response to environmental signals, and is inactivated by nutrient limitation and environmental stress. Within TORC1, LST8 interacts directly with FRAP1 and enhances its kinase activity. In nutrient-poor conditions, stabilizes the FRAP1-RAPTOR interaction and favors RAPTOR-mediated inhibition of FRAP1 activity. TORC2 controls polarity of the actin cytoskeleton via the RAC1 pathway. TORC2 mediates phosphorylation of Akt/PKB on 'Ser-473' and phosphorylation of PKCalpha on 'Ser-657'. similarity:Belongs to the WD repeat LST8 family. similarity:Contains 7 WD repeats. subunit:Interacts with FRAP1, RAPTOR and RHEB. Part of the target of rapamycin complex 1 (TORC1) which contains LST8, FRAP1, RAPTOR and AKT1S1. TORC1 binds to and is inhibited by FKBP12-rapamycin. Part of the target of rapamycin complex 2 (TORC2) which contains FRAP1, LST8, PROTOR1, RICTOR and MAPKAP1. Contrary to TORC1, TORC2 does not bind to and is not sensitive to FKBP12-rapamycin. tissue specificity:Broadly expressed, with highest levels in skeletal muscle, heart and kidney.,

## Validation Data



Immunohistochemical analysis of paraffin-embedded Human Heart Tissue using ILK1 Rabbit polyclonal antibody diluted at 1:200.

## Contact information

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