

BNP Rabbit pAb

CatalogNo: YN5721

Key Features

Host Species

- Rabbit

Reactivity

- Human

Applications

- IHC

MW

- 37kD (Observed)

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

IHC 1:50-200

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

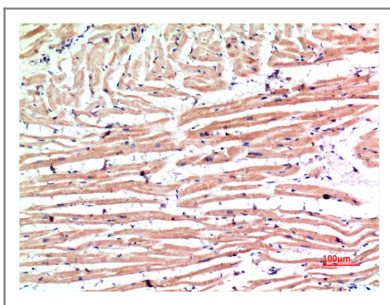
Organism	Gene ID	UniProt ID
Human	64223 ;	Q9BVC4 ;
Mouse	56716 ;	Q9DCJ1 ;
Rat	64226 ;	Q9Z2K5 ;

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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