bs-1449R

[Primary Antibody]

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Prohibitin Rabbit pAb

DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GeneID: 5245 SWISS: P35232

Target: Prohibitin

Immunogen: KLH conjugated synthetic peptide derived from human Prohibitin:

171-272/272.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%

Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

Background: This gene is evolutionarily conserved, and its product is proposed

to play a role in human cellular senescence and tumor suppression. Antiproliferative activity is reported to be localized to the 3' UTR, which is proposed to function as a trans-acting

regulatory RNA. Several pseudogenes of this gene have been identified. Alternative splicing results in multiple transcript

variants. [provided by RefSeq, Jul 2013]

Applications: WB (1:500-2000)

IHC-P (1:100-500) **IHC-F** (1:100-500) **IF** (1:100-500) Flow-Cyt (2ug/test) ICC/IF (1:100-500)

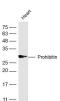
Reactivity: Human, Mouse, Rat

(predicted: Dog, Horse)

Predicted 30 kDa

Subcellular Location: Cytoplasm

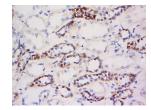
VALIDATION IMAGES



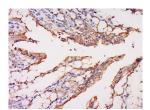
Sample: Heart(Mouse) Lysate at 40 ug Primary: Anti-Prohibitin (bs-1449R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 30 kD Observed band size: 30 kD



Sample: A431(Human) Cell Lysate at 40 ug Primary: Anti-Prohibitin (bs-1449R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 30 kD Observed band size: 30 kD



Tissue/cell: Human kidney tissue; 4% Paraformaldehyde-fixed and paraffinembedded; Antigen retrieval: citrate buffer ($0.01\mbox{M}, \, \mbox{pH}$ 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-Prohibitin Polyclonal Antibody, Unconjugated(bs-1449R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: Rat intestine tissue; 4% Paraformaldehyde-fixed and paraffinembedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation:



HepG2 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (Prohibitin) polyclonal Antibody, Unconjugated (bs-1449R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at

Anti-Prohibitin Polyclonal Antibody,
Unconjugated(bs-1449R) 1:500, overnight at 4°C,
followed by conjugation to the secondary
antibody(SP-0023) and DAB(C-0010) staining

37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

- SELECTED CITATIONS -

- [IF=5.23] Wang, Jinzi, et al. "Comparative Secretome Analysis Reveals Perturbation of Host Secretion Pathways by a Hypovirus." Scientific Reports 6 (2016): 34308. WB; Other Species. 27698384
- [IF=2.08] Xing, Wen Min, et al. "Proteomic identification of mitochondrial targets involved in andrographolide sodium bisulfite-induced nephrotoxicity in a rat model."Environmental Toxicology and Pharmacology (2015). WB; Rat. 26356389
- [IF=2.1] Cakir Mustafa. et al. Imiquimod-induced psoriasis-like inflammation model in calcium-differentiated human keratinocytes mimics psoriasis-associated biomolecules and signaling pathways. ARCH DERMATOL RES. 2025

 Dec;317(1):1-15 | F; Human. 10.1007/s00403-025-04336-2