## For Research Use Only

Storage

## Prohibitin 2 Monoclonal antibody, PBS Only



Catalog Number:66424-1-PBS

**Featured Product** 

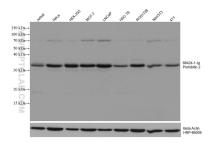
## Catalog Number: GenBank Accession Number: **Purification Method: Basic Information** 66424-1-PBS BC014766 Protein G purification GeneID (NCBI): CloneNo.: Size: 1 mg/ml 11331 1D9C7 Source: UNIPROT ID: Mouse Q99623 Isotype: Full Name: lgG1 prohibitin 2 Calculated MW: Immunogen Catalog Number: AG2977 299 aa, 33 kDa **Observed MW:** 33 kDa **Applications Tested Applications:** WB,Indirect ELISA,IHC,IF Species Specificity: human, mouse, rat **Background Information** PHB2, also named as BAP, REA, D-prohibitin, BAP37 and Prohibitin-2, belongs to the prohibitin family. It acts as a mediator of transcriptional repression by nuclear hormone receptors via recruitment of histone deacetylases. PHB2 functions as an estrogen receptor (ER)-selective coregulator that potentiates the inhibitory activities of antiestrogens and represses the activity of estrogens. It competes with NCOA1 for modulation of ER transcriptional activity. PHB2 is probably involved in regulating mitochondrial respiration activity and in aging. (PMID: 10359819)

Storage: Store at -80°C. Storage Buffer: PBS Only

For technical support and original validation data for this product please contact:T: 4006900926E: Proteintech-CN@ptglab.comW: ptgcn.com

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## Selected Validation Data

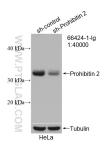


Various lysates were subjected to SDS PAGE followed by western blot with 66424-1-lg (Prohibitin 2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The

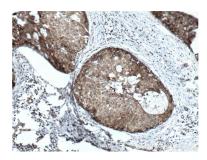
membrane was stripped and reblotted with HRPconjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control. This data was developed using the same antibody clone with 66424-1-PBS in a different storage buffer formulation.



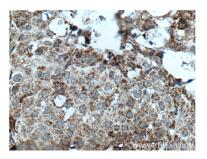
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 66424-1-lg (Prohibitin 2 antibody) at dilution of 1:100 and Coralite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). F-actin was labelled in red with Phalloidin. This data was developed using the same antibody clone with 66424-1-PBS in a different storage buffer formulation.



WB result of Prohibitin 2 antibody (66424-1-1g; 1:40000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Prohibitin 2 transfected HeLa cells. This data was developed using the same antibody clone with 66424-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffinembedded human breast cancer tissue slide using 66424-1-1g (Prohibitin 2 antibody at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66424-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffinembedded human breast cancer tissue slide using 66424-1-1g (Prohibitin 2 antibody at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66424-1-PBS in a different storage buffer formulation.