Phospho-MYPT1 (Thr696) Antibody

CATALOG NO: A1151-100

ALTERNATIVE NAMES: MBS, MYPT1, Protein phosphatase 1 regulatory subunit 12A, Myosin phosphatase-targeting subunit 1, Myosin phosphatase target subunit 1, Protein phosphatase myosin-binding subunit, Myosin phosphatase

AMOUNT: 100 µl

IMMUNOGEN: KLH-conjugated synthetic peptide encompassing a sequence within the center region of human MYPT1

HOST/ISOTYPE: Rabbit IgG

CLONALITY: Polyclonal

SPECIFICITY: Recognizes endogenous levels of MYPT1 (pT696) protein

SPECIES REACTIVITY: Human, Mouse and Rat

PURIFICATION: The antibody was purified by affinity chromatography

FORM: Liquid

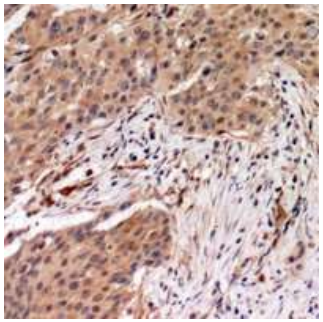
FORMULATION: Supplied in 0.42% Potassium phosphate; 0.87% Sodium chloride; pH 7.3; 30% glycerol and 0.01% sodium azide

STORAGE CONDITIONS: Shipped at 4°C. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles

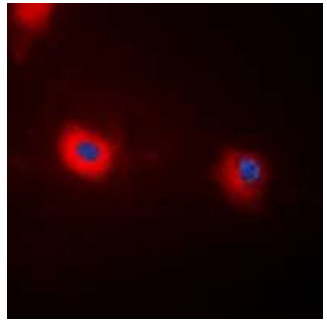
DESCRIPTION: Key regulator of protein phosphatase 1C (PPP1C). Mediates binding to myosin. As part of the PPP1C complex, involved in dephosphorylation of PLK1. Capable of inhibiting HIF1AN-dependent suppression of HIF1A activity.

APPLICATION: WB; 1:500 – 1:2000, IHC; 1:50 – 1:200, IF/IC; 1:50 – 1:100

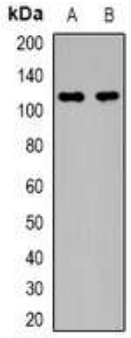
Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



Immunohistochemical analysis of MYPT1 (pT696) staining in human breast cancer formalin fixed paraffin embedded tissue section.



Immunofluorescent analysis of MYPT1 (pT696) staining in HEK293T cells



Western blot analysis of MYPT1 (pT696) expression in HEK293T PMA-treated (A); HEK293T UV-treated (B) whole cell lysates

RELATED PRODUCTS:

- Tubulin Antibody **(Cat. No. 3708-100)**
- Beta-Actin Antibody (Clone BA3R) **(Cat. No. 3598R-100)**
- Beta Actin Monoclonal Antibody **(Cat. No. A1031-100)**
- Anti-ACTA2 Rabbit Monoclonal Antibody **(Cat. No. A1118-50)**

FOR RESEARCH USE ONLY! Not to be used on humans.