

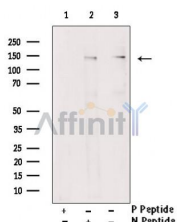
## Phospho-MYPT1 (Thr696) Ab

Cat.#: AF2368  
Size: 100ul, 200ul

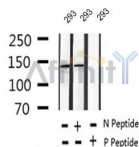
Concn.: 1mg/ml  
Source: Rabbit

Mol.Wt.: 140kDa  
Clonality: Polyclonal

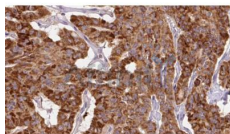
Application:	WB 1:500-1:2000, IHC 1:50-1:200
Reactivity:	Human, Mouse, Rat
Purification:	The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Specificity:	Phospho-MYPT1 (Thr696) Ab detects endogenous levels of MYPT1.
Immunogen:	A synthesized peptide derived from human MYPT1 around the phosphorylation site of Thr696.
Uniprot:	O14974
Subcellular Location:	Cytoplasm. Along actomyosin filaments and stress fibers.
Tissue Specificity:	Expressed in striated muscles, specifically in type 2a fibers (at protein level).
Similarity:	Heterotetramerization is mediated by the interaction between a coiled-coil of PRKG1 and the leucine/isoleucine zipper of PPP1R12A/MBS, the myosin-binding subunit of the myosin phosphatase. The KVKF motif mediates interaction with PPP1CB.
Storage Condition and Buffer:	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.



Western blot analysis of extracts from 293 cells, using Phospho-MYPT1 (Thr696) Ab. Lane1 was treated with phospho-blocking peptide, Lane2 was treated with non-phospho-blocking peptide.



Western blot analysis of extracts from 293 cells, using Phospho-MYPT1 (Thr696) Ab.



AF2368 at 1/100 staining Human thyroid cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.

**IMPORTANT:** For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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