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Anti-Prothymosin alpha Antibody

Catalog # AP60375

Product Information

Application	WB, IHC, IF/IC
Primary Accession	P06454
Reactivity	Human, Mouse, Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	12203

Additional Information

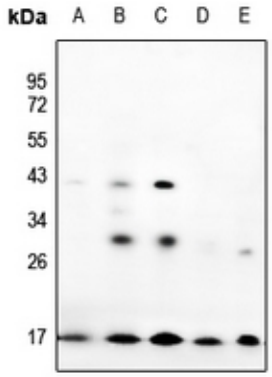
Gene ID	5757
Other Names	TMSA; Prothymosin alpha
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Prothymosin alpha. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

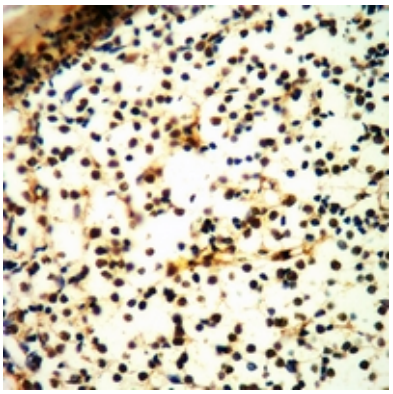
Name	PTMA
Synonyms	TMSA
Function	Prothymosin alpha may mediate immune function by conferring resistance to certain opportunistic infections.
Cellular Location	Nucleus.

Images

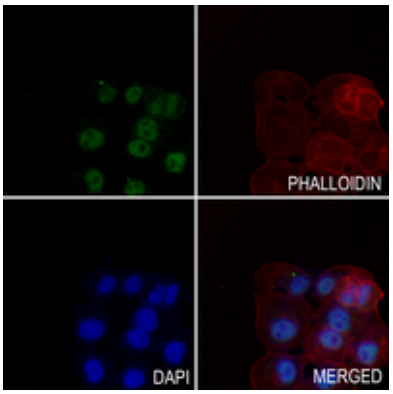
Western blot analysis of Prothymosin alpha expression in U87MG (A), Panc1 (B), HCT116 (C), rat testis (D), mouse brain (E) whole cell lysates. (Predicted band size: 12 kD;



Observed band size: 17 kD)



Immunohistochemical analysis of Prothymosin alpha staining in human stomach cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of Prothymosin alpha staining in KYSE150 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.