

## Anti-CDKN2B/p15 INK4b Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Rat (predicted:Human,Mouse,Chicken,Dog,Cow,Rabbit)
Molecular Weight:	Theoretical: 15 kDa.
Purification:	Protein A purified

## Applications

Verified Activity:	Paraformaldehyde-fixed, paraffin embedded (Rat kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (CDKN2B) Polyclonal Antibody, Unconjugated (TMAB-04185) at 1:500 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining.
Application:	IHC-P,IHC-Fr,IF
Recommended	IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human CDKN2B
Antigen Species:	Human
Gene ID:	1030
Uniprot ID:	P42772

## Research Background

p15 INK4b / MTS 2 (Mitotic Inhibitor / Suppressor Protein) is a specific inhibitor of cdk 4 / cdk 6 and is periodically expressed during the cell cycle. Reportedly, p15 INK4b expression is induced approximately 30 fold in human keratinocytes by treatment with TGF beta, suggesting that p15 INK4b may act as an effector of TGF beta mediated cell cycle arrest. p15 INK4b is mapped to chromosome 9p21, a region of frequent loss in a wide variety of cancers.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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