# Anti-NME2 Polyclonal Antibody

Cat: K109384P

## Summary:

【**Product name**】: Anti-NME2 antibody

【**Source**】: Rabbit

【**Isotype**】: IgG

【**Species reactivity**】: Human Mouse

【**Swiss Prot**】: P22392

【**Gene ID**】: 4831/654364

【**Calculated**】: MW:17/30kDa

【**Purification**】: Affinity purification

【**Tested applications**】: IHC

【**Recommended dilution**】: IHC 1:25-100.

【**IHC Positive sample**】: Human testis cancer

【**Subcellular location**】: Cytoplasm Nucleus

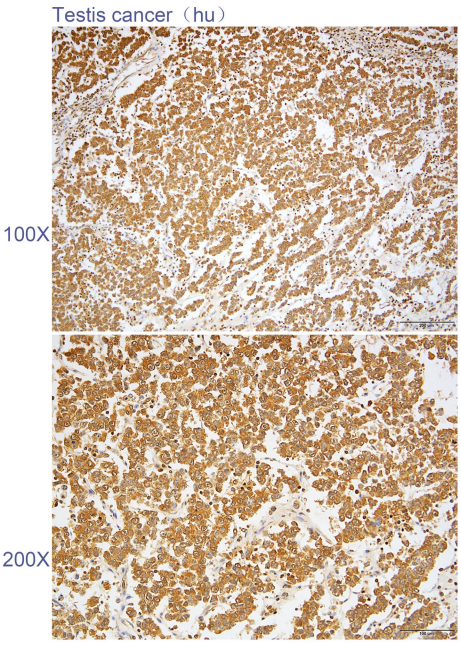
【**Immunogen**】: A synthetic peptide of human NME2

【**Storage**】: Shipped at 4°C. Upon delivery aliquot and store at -20°C

## Background:

Major role in the synthesis of nucleoside triphosphates other than ATP. The ATP gamma phosphate is transferred to the NDP beta phosphate via a ping-pong mechanism, using a phosphorylated active-site intermediate. Negatively regulates Rho activity by interacting with AKAP13/LBC. Acts as a transcriptional activator of the MYC gene; binds DNA non-specifically. Binds to both single-stranded guanine- and cytosine-rich strands within the nuclease hypersensitive element (NHE) III1 region of the MYC gene promoter. Does not bind to duplex NHE III1. Has G-quadruplex (G4) DNA-binding activity, which is independent of its nucleotide-binding and kinase activity. Binds both folded and unfolded G4 with similar low nanomolar affinities. Stabilizes folded G4s regardless of whether they are prefolded or not. Exhibits histidine protein kinase activity.

## Verified picture




Immunohistochemistry of paraffin-embedded Human testis cancer with NME2 antibody diluted at 1:40