

Taking a holistic view of PEST-containing nuclear protein (PCNP) in cancer biology

Xin Ying Ji

Professor at Henan University College of Medicine

ABSTRACT: Polypeptide sequences enriched with proline (P), glutamic acid (E), aspartic acid (D) and serine (S)/ threonine (T) (PEST) have been reported to be the most abundant and frequently distributed at the cellular level. There is growing evidence that PEST sequences act as proteolytic recognition signals for degradation of residual proteins which is critical for activation or deactivation of regulatory proteins involved in cellular signaling pathways of cell growth, differentiation, stress responses and physiological death. A PEST containing nuclear protein (PCNP) was demonstrated as a tumor suppressor in a neuroblastoma cancer model and tumor promoter in lung adenocarcinoma cancer model. Its unique properties like ubiquitination by NIF, co-localization with NIF in nucleus and tumor progression attract the attention of researchers. PCNP was reported to be ubiquitinated by ring

Biography – Xin Ying Ji was Currently Working Professor At Henan University of College of Medicine and He has Skills at Apoptosis, Cell Signaling, Cancer Biology, Cancer Cell Biology, Immunofluorescence, Cell line Culture, Flow Cytometry, Transfection, Immunohistochemistry, He Works on the function of Nuclear Protection PCNP and H2S: in Tumor Pathogenesis: In

Publication – [The genetic profiling of preferentially expressed genes in murine splenic CD8 \$\alpha\$ ⁺ dendritic cells](#)
[Hydrogen Sulfide Alleviates Lipopolysaccharide-Induced Diaphragm Dysfunction in Rats by Reducing Apoptosis and Inflammation through ROS/MAPK and TLR4/NF- \$\kappa\$ B Signaling Pathways](#)
 PEST-containing nuclear protein mediates the proliferation, migration, and invasion of human neuroblastoma cells through MAPK and PI3K/AKT/mTOR signaling pathways
 Gene expression profile identifies distinct molecular subtypes and potential therapeutic genes in Merkel cell carcinoma

[32nd International Cancer Research and Therapy, Osaka, Japan, February 19-20, 2020](#)

Abstract Citation : [Xin Ying Ji, Taking a holistic view of PEST-containing nuclear protein \(PCNP\) in cancer biology, CANCER RESEARCH 2020, Osaka, Japan, February 19-20, 2020.](#)