

Product datasheet for **AM31106PU-N**

HIPK2 Mouse Monoclonal Antibody [Clone ID: 1F10]

Product data:

| | |
|-----------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | 1F10 |
| Applications: | ELISA, IHC, WB |
| Recommended Dilution: | ELISA. Immunohistochemistry on Paraffin Sections: 5 µg/ml. Western Blot: 1/500 - 1/1000. |
| Reactivity: | Human, Rat |
| Host: | Mouse |
| Isotype: | IgG2a |
| Clonality: | Monoclonal |
| Immunogen: | HIPK2 antibody was raised against recombinant protein |
| Specificity: | This antibody reacts to HIPK2. |
| Formulation: | PBS, pH 7.2 State: Purified State: Liquid purified Ig fraction |
| Concentration: | lot specific |
| Purification: | Affinity chromatography on Protein A |
| Conjugation: | Unconjugated |
| Storage: | Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| Gene Name: | homeodomain interacting protein kinase 2 |
| Database Link: | Entrez Gene 362342 Rat Entrez Gene 28996 Human Q9H2X6 |



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Background:

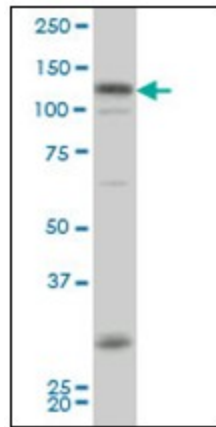
HIPK2, a nuclear serine/threonine kinase similar to the MNB/DYRK type protein kinases, represses transcription mediated by homeodomain containing transcription factors. HIPK2 is activated by ultraviolet (UV) radiation and selectively phosphorylates p53 to promote p53-dependent gene expression. HIPK2 interacts with various proteins, including members of the p53 family, to regulate cell cycle and apoptosis. Variants of HIPK2 have been observed due to alternative splicing.

Synonyms:

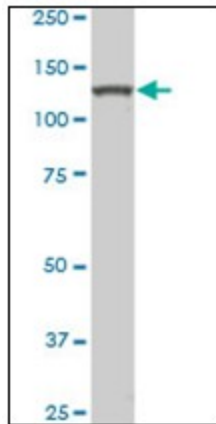
DKFZp686K02111; FLJ23711; hHIPk2; PRO0593

Protein Families:

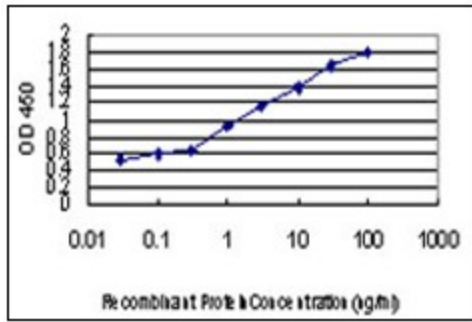
Druggable Genome, Protein Kinase, Transcription Factors

Product images:

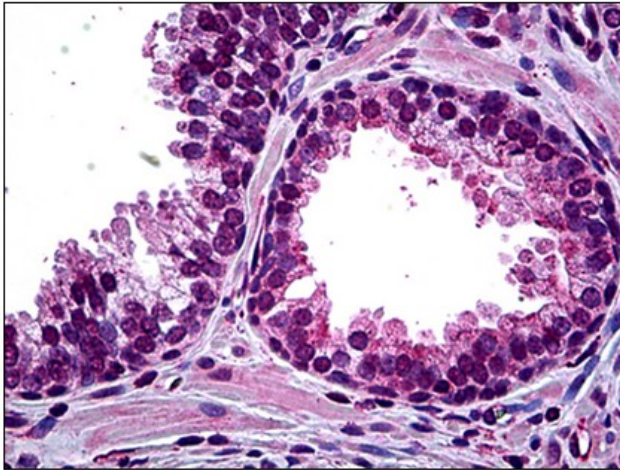
Western Blot analysis of HIPK2 expression in MES-SA/Dx5 cells with HIPK2 monoclonal antibody, clone 1F10.



Western Blot analysis of HIPK2 expression in RIN-m5F cells with HIPK2 monoclonal antibody, clone 1F10.



Detection limit for recombinant GST tagged HIPK2 is approximately 0.1ng/ml as a capture antibody.



Human Prostate: Formalin-Fixed, Paraffin-Embedded (FFPE)