

Anti-IP6K2 Antibody

Catalog # AP51285

Product Information

Application	WB, IHC, IF/IC
Primary Accession	Q9UHH9
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49186

Additional Information

Gene ID	51447
Other Names	IHCPK2; Inositol hexakisphosphate kinase 2; InsP6 kinase 2; P(i)-uptake stimulator; PiUS
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human IP6K2. 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

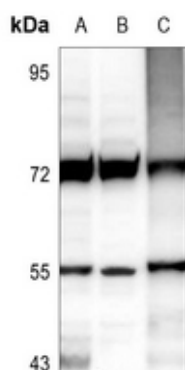
Protein Information

Name	IP6K2 {ECO:0000303 PubMed:30624931}
Synonyms	IHPK2
Function	Converts inositol hexakisphosphate (InsP6) to diphosphoinositol pentakisphosphate (InsP7/PP-InsP5).
Cellular Location	Nucleus.

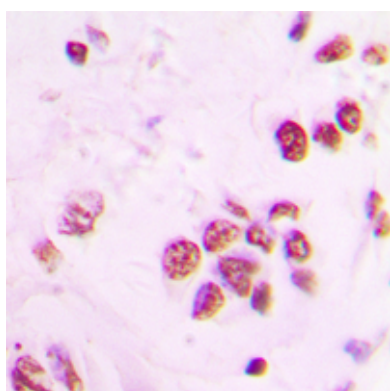
References

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Ota T.,et al.Nat. Genet. 36:40-45(2004).
Muzny D.M.,et al.Nature 440:1194-1198(2006).

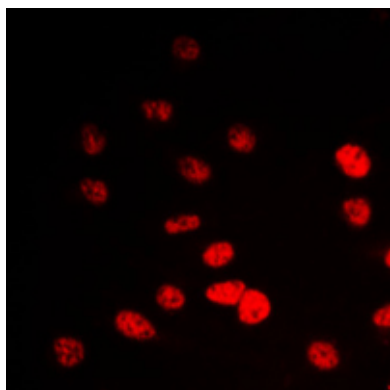
Images



Western blot analysis of IP6K2 expression in A549 (A), HCT116 (B), Panc1 (C) whole cell lysates. (Predicted band size: 49 kD; Observed band size: 55 kD)



Immunohistochemical analysis of IP6K2 staining in human lung 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 IP6K2 staining in A549 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 humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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