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URG4 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9984a

Product Information

Application	IHC-P, WB, E
Primary Accession	Q8TCY9
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB24698
Calculated MW	104987
Antigen Region	466-495

Additional Information

Gene ID	55665
Other Names	Up-regulator of cell proliferation, HBV X protein up-regulated gene 4 protein, HBxAg up-regulated gene 4 protein, URGCP, KIAA1507 {ECO:0000312|EMBL:BAA960311}, URG4
Target/Specificity	This URG4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 466-495 amino acids from the Central region of human URG4.
Dilution	IHC-P~~1:100~500 WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	URG4 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	URGCP
Synonyms	KIAA1507 {ECO:0000312|EMBL:BAA96031.1},

Function	May be involved in cell cycle progression through the regulation of cyclin D1 expression. May participate in the development of hepatocellular carcinoma (HCC) by promoting hepatocellular growth and survival. May play an important role in development of gastric cancer.
Cellular Location	Cytoplasm. Nucleus. Note=In epithelial cells localized predominantly in the cytoplasm and occasionally in nuclei
Tissue Location	Strongly expressed in hepatitis B virus-infected liver and in HCC cells. Also highly expressed in well-differentiated gastric cancer tissues and various gastric cancer cell lines

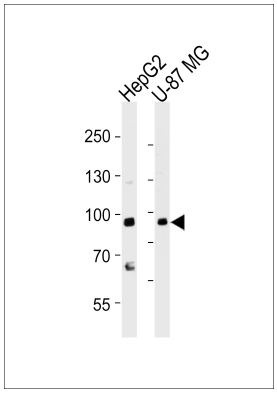
Background

URG4 is upregulated in the presence of hepatitis B virus (HBV)-encoded X antigen (HBxAg) and may contribute to the development of hepatocellular carcinoma by promoting hepatocellular growth and survival.

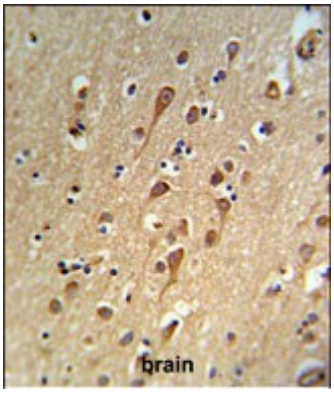
References

Huang, J., et al. Pathology 41(2):149-154(2009)
Song, J., et al. Neoplasia 8(12):995-1002(2006)
Tsang, H.T., et al. Genomics 88(3):333-346(2006)

Images



Western blot analysis of lysates from HepG2, U-87 MG cell line (from left to right), using URG4 Antibody (Center)(Cat. #AP9984a). AP9984a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.



URG4 Antibody (Center) (Cat. #AP9984a) IHC analysis in formalin fixed and paraffin embedded brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the URG4 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

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