

KIAA1524 Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22314c

Specification

KIAA1524 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	O8TCG1
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	102185

KIAA1524 Antibody (Center) - Additional Information

Gene ID 57650

Other Names

Protein CIP2A, Cancerous inhibitor of PP2A, p90 autoantigen, KIAA1524, CIP2A

Target/Specificity

This KIAA1524 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 537-567 amino acids from the Central region of human KIAA1524.

Dilution

WB~~1:2000

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

KIAA1524 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

KIAA1524 Antibody (Center) - Protein Information

Name CIP2A {ECO:0000303|PubMed:17632056, ECO:0000312|HGNC:HGNC:29302}

Function Acts as an inhibitor of protein phosphatase PP2A (PubMed:[17632056](#)). Promotes anchorage-independent cell growth and tumor formation by preventing dephosphorylation of MYC, thereby stabilizing MYC in human malignancies (PubMed:[17632056](#)). Together with TOPBP1, plays an essential role in the response to genome instability generated by the presence of acentric

chromosome fragments derived from shattered chromosomes within micronuclei (PubMed:[35121901](#), PubMed:[35842428](#), PubMed:[37165191](#), PubMed:[37316668](#)). Micronuclei, which are frequently found in cancer cells, consist of chromatin surrounded by their own nuclear membrane: following breakdown of the micronuclear envelope, a process associated with chromothripsis, the CIP2A-TOPBP1 complex tethers chromosome fragments during mitosis to ensure clustered segregation of the fragments to a single daughter cell nucleus, facilitating re-ligation with limited chromosome scattering and loss (PubMed:[37165191](#), PubMed:[37316668](#)).

Cellular Location

Cytoplasm. Chromosome. Note=Predominantly localizes within the cytoplasm (PubMed:[35842428](#)). Localizes to broken chromosomes within micronuclei during interphase and following chromothripsis (PubMed:[37165191](#), PubMed:[37316668](#)). Localization to broken chromosomes is mainly independent of MDC1 (PubMed:[35121901](#), PubMed:[37165191](#))

Tissue Location

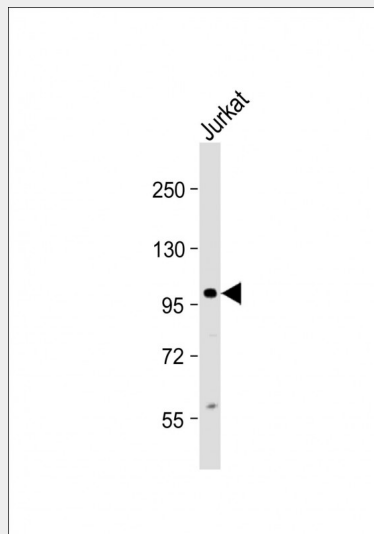
Expressed at low levels in most of the tissues. Overexpressed in head-and-neck squamous cell carcinomas (HNSCC) Present in liver cancer cells (at protein level)

KIAA1524 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KIAA1524 Antibody (Center) - Images



Anti-KIAA1524 Antibody (Center) at 1:2000 dilution + Jurkat whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 102 kDa Blocking/Dilution buffer: 5% NFD/MTBST.

KIAA1524 Antibody (Center) - Background

Oncoprotein that inhibits PP2A and stabilizes MYC in human malignancies. Promotes anchorage-independent cell growth and tumor formation.

KIAA1524 Antibody (Center) - References

Soo Hoo L., et al. *Oncogene* 21:5006-5015(2002).
Nagase T., et al. *DNA Res.* 7:143-150(2000).
Bechtel S., et al. *BMC Genomics* 8:399-399(2007).
Ota T., et al. *Nat. Genet.* 36:40-45(2004).
Shi F.D., et al. *Prostate* 63:252-258(2005).