10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CIP29 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51810

Specification

CIP29 Antibody - Product Information

Application	**WB**
Primary Accession	P82979
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**29 KDa**
Antigen Region	**131 - 190**

CIP29 Antibody - Additional Information

Gene ID 84324

Other Names
SAP domain-containing ribonucleoprotein, Cytokine-induced protein of 29 kDa, Nuclear protein Hcc-1, Proliferation-associated cytokine-inducible protein CIP29, SARNP, HCC1

Target/Specificity
KLH conjugated synthetic peptide derived from human CIP29

Dilution
WB~~ 1:1000

Format
0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage
Store at -20 °C.Stable for 12 months from date of receipt

CIP29 Antibody - Protein Information

Name SARNP

Synonyms HCC1

Function
Binds both single-stranded and double-stranded DNA with higher affinity for the single-stranded form. Specifically binds to scaffold/matrix attachment region DNA. Also binds single-stranded RNA. Enhances RNA unwinding activity of DDX39A. May participate in important transcriptional or translational control of cell growth, metabolism and carcinogenesis. Component of the TREX complex which is thought to couple mRNA transcription, processing and nuclear export, and specifically associates with spliced mRNA and not with unspliced pre- mRNA (PubMed:15338056, PubMed:<a

href="http://www.uniprot.org/citations/17196963" target="_blank">17196963, PubMed:20844015). The TREX complex is recruited to spliced mRNAs by a transcription-independent mechanism, binds to mRNA upstream of the exon-junction complex (EJC) and is recruited in a splicing- and cap-dependent manner to a region near the 5' end of the mRNA where it functions in mRNA export to the cytoplasm via the TAP/NXF1 pathway (PubMed:15338056, PubMed:17196963, PubMed:20844015). Associates with DDX39B, which facilitates RNA binding of DDX39B and likely plays a role in mRNA export (PubMed:37578863).

Cellular Location
Nucleus. Nucleus speckle.

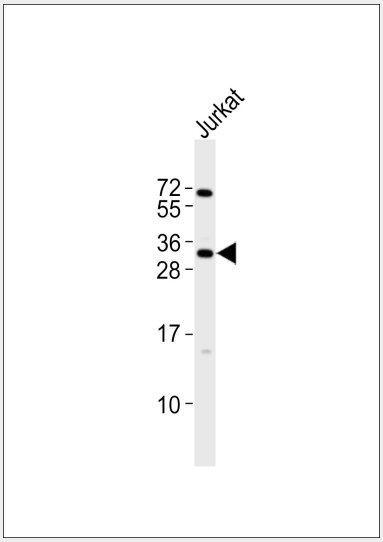
Tissue Location
Low expression in spleen, liver, pancreas, testis, thymus, heart, and kidney. Increased levels are seen in hepatocellular carcinoma and pancreatic adenocarcinoma.

CIP29 Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CIP29 Antibody - Images



Anti-CIP29 Antibodyat 1:1000 dilution + Jurkat whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L),Peroxidase conjugated at 1/10000 dilution Predicted band size : 24 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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CIP29 Antibody - References

Choong M.L.,et al.FEBS Lett. 496:109-116(2001).
Fukuda S.,et al.Biochem. Biophys. Res. Commun. 292:593-600(2002).
Zhang Q.-H.,et al.Genome Res. 10:1546-1560(2000).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.