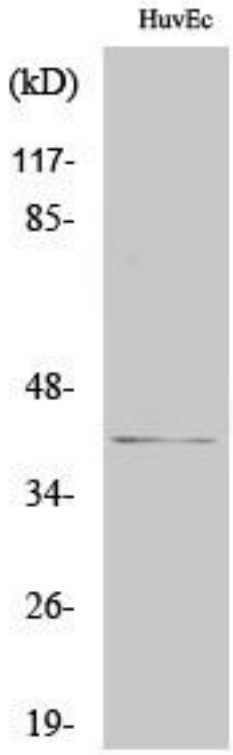
pICln Monoclonal Antibody

Catalog No	YP-mAb-16495
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	CLNS1A
Protein Name	Methylosome subunit pICln
Immunogen	The antiserum was produced against synthesized peptide derived from human CLNS1A. AA range:184-233
Specificity	pICln Monoclonal Antibody detects endogenous levels of pICln protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CLNS1A; CLCI; ICLN; Methylosome subunit pICln; Chloride channel; nucleotide sensitive 1A; Chloride conductance regulatory protein ICln; I(Cln); Chloride ion current inducer protein; ClCI; Reticulocyte pICln
Observed Band	37kD
Cell Pathway	Cytoplasm, cytosol . Nucleus . Cytoplasm, cytoskeleton . A small fraction is also associated with the cytoskeleton (PubMed:18984161).
Tissue Specificity	Cervix carcinoma,Colon cancer,Colon carcinoma,Embryonic kid
Function	function:The interaction with Sm proteins inhibits their assembly on U RNA and interferes with snRNP biogenesis. Inhibits the binding of survival motor neuron protein (SMN) to Sm proteins. May participate in cellular volume control by activation of a swelling-induced chloride conductance pathway.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the pICln family.,subcellular location:A small fraction is also associated with the cytoskeleton.,subunit:Homooligomer. Component of the methylosome, a 20S complex containing SKB1. Interacts with Sm proteins.,
Background	This gene encodes a protein that functions in multiple regulatory pathways. The encoded protein complexes with numerous cytosolic proteins and performs diverse functions including regulation of small nuclear ribonucleoprotein biosynthesis, platelet activation and cytoskeletal organization. The protein is also

	found associated with the plasma membrane where it functions as a chloride current regulator. Pseudogenes of this gene are found on chromosomes 1, 4 and 6. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2015],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using pICln Monoclonal Antibody