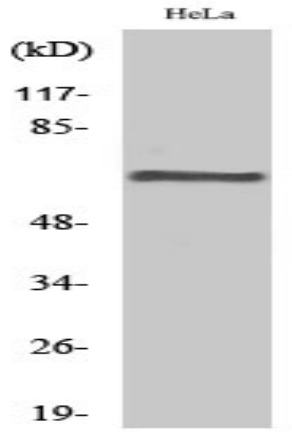
Best Tools for immunology Research

PP2A-Aβ Polyclonal Antibody

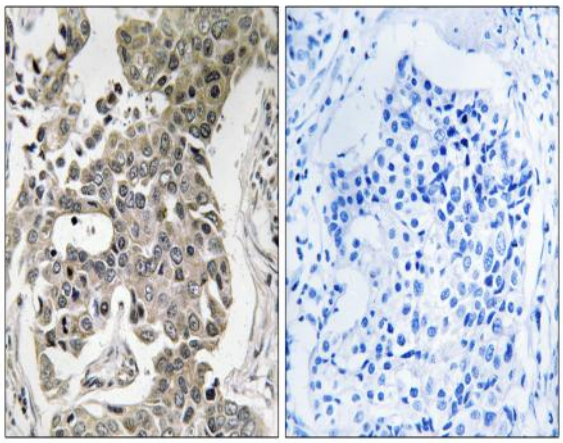
Catalog No :	YT3826
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	PP2A-Aβ
Fields :	>>mRNA surveillance pathway;>>Sphingolipid signaling pathway;>>Oocyte meiosis;>>PI3K-Akt signaling pathway;>>AMPK signaling pathway;>>Adrenergic signaling in cardiomyocytes;>>TGF-beta signaling pathway;>>Hippo signaling pathway;>>Tight junction;>>Dopaminergic synapse;>>Long-term depression;>>Chagas disease;>>Hepatitis C;>>Human papillomavirus infection
Gene Name :	PPP2R1B
Protein Name :	Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A beta isoform
Human Gene Id :	5519
Human Swiss Prot No :	P30154
Mouse Gene Id :	73699
Mouse Swiss Prot No :	Q7TNP2
Rat Gene Id :	315648
Rat Swiss Prot No :	Q4QQT4
Immunogen :	The antiserum was produced against synthesized peptide derived from human PPP2R1B. AA range:552-601
Specificity :	PP2A-Aβ Polyclonal Antibody detects endogenous levels of PP2A-Aβ protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000.IHC:1:50-300 ELISA: 1:20000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	66kD
Cell Pathway :	Oocyte meiosis;WNT;WNT-T CELLTGF-beta;Tight junction;Long-term depression;
Background :	This gene encodes a constant regulatory subunit of protein phosphatase 2. Protein phosphatase 2 is one of the four major Ser/Thr phosphatases, and it is implicated in the negative control of cell growth and division. It consists of a common heteromeric core enzyme, which is composed of a catalytic subunit and a constant regulatory subunit, that associates with a variety of regulatory subunits. The constant regulatory subunit A serves as a scaffolding molecule to coordinate the assembly of the catalytic subunit and a variable regulatory B subunit. This gene encodes a beta isoform of the constant regulatory subunit A. Mutations in this gene have been associated with some lung and colon cancers. Alternatively spliced transcript variants have been described. [provided by RefSeq, Apr 2010],
Function :	disease:Defects in PPP2R1B might be a cause of some lung and colorectal cancers.,domain:Each HEAT repeat appears to consist of two alpha helices joined by a hydrophilic region, the intrarepeat loop. The repeat units may be arranged laterally to form a rod-like structure.,function:The PR65 subunit of protein phosphatase 2A serves as a scaffolding molecule to coordinate the assembly of the catalytic subunit and a variable regulatory B subunit.,sequence caution:Contaminating sequence. Sequence of unknown origin in the N-terminal part.,similarity:Belongs to the phosphatase 2A regulatory subunit A family.,similarity:Contains 15 HEAT repeats.,subunit:PP2A consists of a common heterodimeric core enzyme, composed of a 36 kDa catalytic subunit (subunit C) and a 65 kDa constant regulatory subunit (PR65 or subunit A), that associates with a variety of regulatory subunits. Proteins that associate wi
Subcellular Location :	membrane raft,extracellular exosome,
Expression :	Testis,

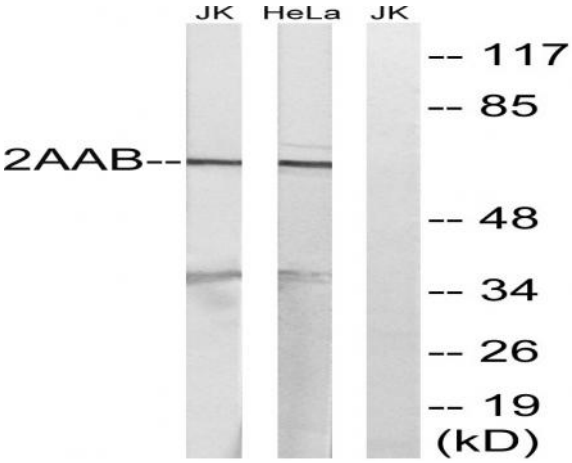
Products Images



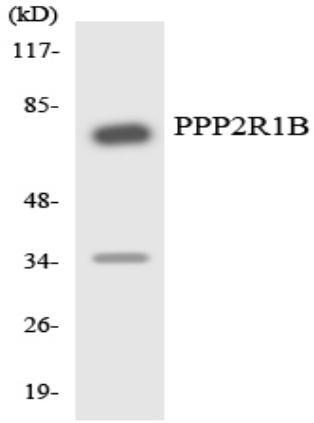
Western Blot analysis of various cells using PP2A-Aβ Polyclonal Antibody



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using PPP2R1B Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HeLa and Jurkat cells, using PPP2R1B Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from Jurkat cells using PPP2R1B antibody.