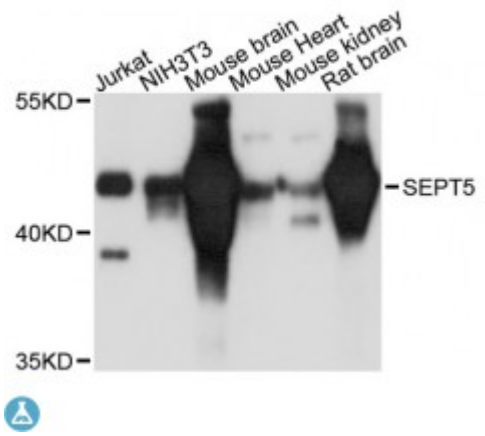
Anti-SEPT5 Antibody



Description	This gene is a member of the septin gene family of nucleotide binding proteins, originally described in yeast as cell division cycle regulatory proteins. Septins are highly conserved in yeast, Drosophila, and mouse and appear to regulate cytoskeletal organization. Disruption of septin function disturbs cytokinesis and results in large multinucleate or polyploid cells. This gene is mapped to 22q11, the region frequently deleted in DiGeorge and velocardiofacial syndromes. A translocation involving the MLL gene and this gene has also been reported in patients with acute myeloid leukemia. Alternative splicing results in multiple transcript variants. The presence of a non-consensus polyA signal (AACAAT) in this gene also results in read-through transcription into the downstream neighboring gene (GP1BB; platelet glycoprotein Ib), whereby larger, non-coding transcripts are produced.
Model	STJ114819
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-369 of human SEPT5 (NP_002679.2).
Gene ID	5413
Gene Symbol	SEPT5
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Expressed at high levels in the CNS, as well as in heart and platelets (at protein level)

Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Septin-5 Cell division control-related protein 1 CDCrel-1 Peanut-like protein 1
Molecular Weight	42.777 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:9164OMIM:602724
Alternative Names	Septin-5 Cell division control-related protein 1 CDCrel-1 Peanut-like protein 1
Function	Filament-forming cytoskeletal GTPase , May play a role in cytokinesis (Potential), May play a role in platelet secretion ,
Cellular Localization	Cytoplasm,
Post-translational Modifications	In platelets, phosphorylated in response to thrombin, phorbol-12-myristate-13-acetate and collagen,