Best Tools for immunology Research

PARD3A Polyclonal Antibody

Catalog No :	YT3590
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	PARD3A
Fields :	>>Rap1 signaling pathway;>>Chemokine signaling pathway;>>Neuroactive ligand-receptor interaction;>>Endocytosis;>>Axon guidance;>>Hippo signaling pathway;>>Adherens junction;>>Tight junction;>>Human papillomavirus infection
Gene Name :	PARD3
Protein Name :	Partitioning defective 3 homolog
Human Gene Id :	56288
Human Swiss Prot No :	Q8TEW0
Mouse Gene Id :	93742
Mouse Swiss Prot No :	Q99NH2
Rat Gene Id :	81918
Rat Swiss Prot No :	Q9Z340
Immunogen :	The antiserum was produced against synthesized peptide derived from human PARD3. AA range:1141-1190
Specificity :	PARD3A Polyclonal Antibody detects endogenous levels of PARD3A 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 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:20000. Not

yet tested in other applications.

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 : 151kD

Cell Pathway : Chemokine;Neuroactive ligand-receptor interaction;Endocytosis;Adherens_Junction;Adherens_Junction;

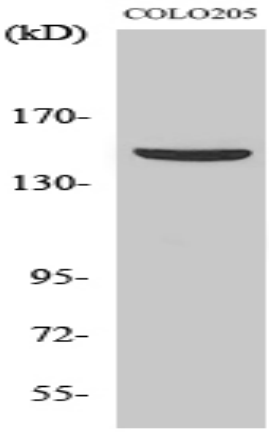
Background : This gene encodes a member of the PARD protein family. PARD family members interact with other PARD family members and other proteins; they affect asymmetrical cell division and direct polarized cell growth. Multiple alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Oct 2011],

Function : alternative products:Additional isoforms seem to exist. As a matter of fact, alternatively spliced products seem to fall into two broad groups: one group, which includes the longest continuous ORF but which may also include molecules lacking some middle domains, has a single TM element and is likely to be associated with the plasma membrane. The other group lacks a TM domain and thus its members may be secreted,disease:Defects in PKHD1 are the cause of polycystic kidney disease autosomal recessive (ARPKD) [MIM:263200]. ARPKD is a severe form of polycystic kidney disease affecting the kidneys and the hepatic biliary tract. The clinical spectrum is widely variable, with most cases presenting during infancy. The fetal phenotypic features classically include enlarged and echogenic kidneys, as well as oligohydramnios secondary to a poor urine output. Up to 50% of the affected neonates die sho

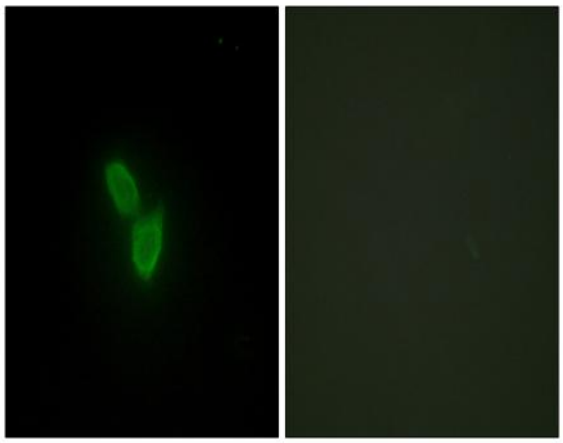
Subcellular Location : Cytoplasm . Endomembrane system . Cell junction . Cell junction, tight junction . Cell junction, adherens junction . Cell membrane . Cytoplasm, cell cortex . Cytoplasm, cytoskeleton . Localized along the cell-cell contact region. Colocalizes with PARD6A and PRKCI at epithelial tight junctions. Colocalizes with the cortical actin that overlays the meiotic spindle during metaphase I and metaphase II. Colocalized with SIRT2 in internode region of myelin sheath (By similarity). Presence of KRIT1, CDH5 and RAP1B is required for its localization to the cell junction. .

Expression : Widely expressed.

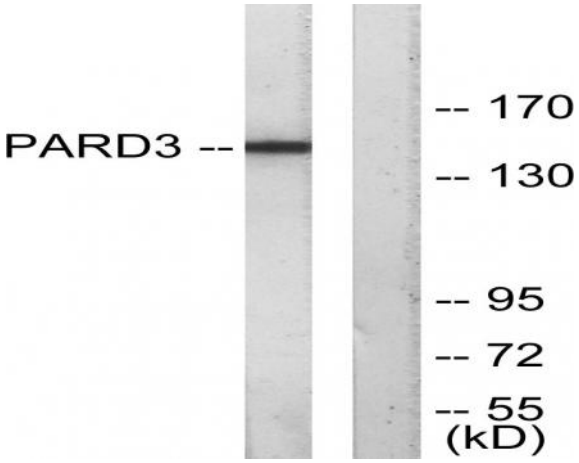
Products Images



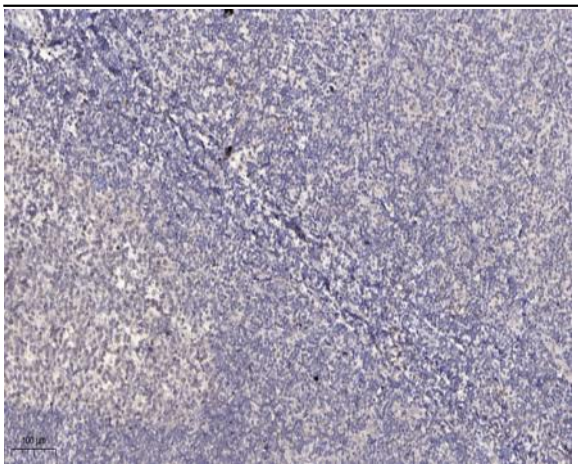
Western Blot analysis of various cells using PARD3A Polyclonal Antibody



Immunofluorescence analysis of HepG2 cells, using PARD3 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from COLO205 cells, using PARD3 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).