

DRA Polyclonal Antibody

Catalog No :	YT5417
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA
Target :	DRA
Fields :	>>Pancreatic secretion;>>Mineral absorption
Gene Name :	SLC26A3
Protein Name :	Chloride anion exchanger
Human Gene Id :	1811
Human Swiss Prot No :	P40879
Mouse Gene Id :	13487
Mouse Swiss Prot No :	Q9WVC8
Rat Gene Id :	114629
Rat Swiss Prot No :	Q924C9
Immunogen :	Synthesized peptide derived from the C-terminal region of human DRA.
Specificity :	DRA Polyclonal Antibody detects endogenous levels of DRA 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. 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 : 84kD

Background : The protein encoded by this gene is a transmembrane glycoprotein that transports chloride ions across the cell membrane in exchange for bicarbonate ions. It is localized to the mucosa of the lower intestinal tract, particularly to the apical membrane of columnar epithelium and some goblet cells. The protein is essential for intestinal chloride absorption, and mutations in this gene have been associated with congenital chloride diarrhea. [provided by RefSeq, Oct 2008],

Function : developmental stage:Expression is significantly decreased in adenomas (polyps) and adenocarcinomas of the colon.,disease:Defects in SLC26A3 are the cause of congenital chloride diarrhea (CLD) [MIM:214700]. CLD is a disease characterized by voluminous watery stools containing an excess of chloride. The children with this disease are often premature.,function:Chloride/bicarbonate exchanger. Involved in absorption of in the colon. Helps mediate electrolyte and fluid absorption.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the SLC26A/SulP transporter (TC 2.A.53) family.,similarity:Contains 1 STAS domain.,subunit:Interacts with PDZK1.,

Subcellular Location : Apical cell membrane ; Multi-pass membrane protein . Membrane ; Multi-pass membrane protein . Localized in sperm membranes. Midpiece of sperm tail. Colocalizes with CFTR at the midpiece of sperm tail (By similarity) .

Expression : Colon,Lung,Rectum tumor,

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