

CFC1 rabbit pAb

Catalog No :	YT7309
Reactivity :	Human;Mouse
Applications :	WB
Target :	CFC1
Gene Name :	CFC1
Protein Name :	CFC1
Human Gene Id :	55997
Human Swiss Prot No :	P0CG37
Mouse Gene Id :	12627
Mouse Swiss Prot No :	P97766
Immunogen :	Synthesized peptide derived from human CFC1 AA range: 129-179
Specificity :	This antibody detects endogenous levels of CFC1 at Human/Mouse
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000
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)

Molecularweight : 25kD

Background :

This gene encodes a member of the epidermal growth factor (EGF)- Cripto, Frl-1, and Cryptic (CFC) family, which are involved in signalling during embryonic development. Proteins in this family share a variant EGF-like motif, a conserved cysteine-rich domain, and a C-terminal hydrophobic region. The protein encoded by this gene is necessary for patterning the left-right embryonic axis. Mutations in this gene are associated with defects in organ development, including autosomal visceral heterotaxy and congenital heart disease. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jul 2012],

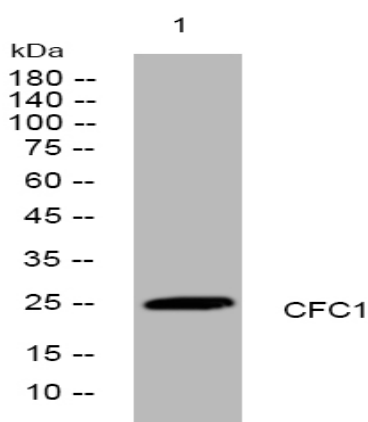
Function :

disease:Defects in CFC1 are a cause of conotruncal heart malformations (CTHM) [MIM:217095]. CTHM consist of cardiac outflow tract defects, such as tetralogy of Fallot, pulmonary atresia, double-outlet right ventricle, truncus arteriosus communis, and aortic arch anomalies.,disease:Defects in CFC1 are a cause of transposition of the great arteries, dextro-looped (DTGA) [MIM:608808]. The more common form of DTGA, consists of complete inversion of the great vessels, so that the aorta incorrectly arises from the right ventricle and the pulmonary artery incorrectly arises from the left ventricle. This creates completely separate pulmonary and systemic circulatory systems, an arrangement that is incompatible with life. Patients often have atrial and/or ventricular septal defects or other types of shunting that allow some mixing between the circulations in order to support life minimally, but s

Subcellular Location :

Cell membrane ; Lipid-anchor, GPI-anchor . Secreted . Does not exhibit a typical GPI-signal sequence. The C-ter hydrophilic extension of the GPI-signal sequence reduces the efficiency of processing and could lead to the production of an secreted unprocessed form. This extension is found only in primates.

Products Images



Western blot analysis of lysates from HpeG2 cells, primary antibody was diluted at 1:1000, 4° over night