MCF2L Polyclonal Antibody

Catalog No	YP-Ab-05623
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	MCF2L KIAA0362
Protein Name	Guanine nucleotide exchange factor DBS (DBL's big sister) (MCF2-transforming sequence-like protein)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	MCF2L Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	125kD
Cell Pathway	[Isoform 5]: Cytoplasm . Cell membrane ; Peripheral membrane protein ; Cytoplasmic side .; [Isoform 3]: Cytoplasm . Endomembrane system . Interaction with membranes enriched in phosphoinositides is mediated by the CRAL-TRIO domain. .; Cytoplasm . Cell membrane ; Peripheral membrane protein ; Cytoplasmic side .
Tissue Specificity	Amygdala,Brain,Muscle,PCR rescued clones,
Function	domain:The CRAL-TRIO domain is involved in interaction with inositol phospholipids.,domain:The DH domain is involved in interaction with CCPG1.,function:Guanine nucleotide exchange factor that potentially links pathways that signal through RAC1, RHOA and CDC42. Catalyzes guanine nucleotide exchange on RHOA and CDC42 and interacts specifically with the GTP-bound form of RAC1, suggesting that it functions as an effector of RAC1. May also participate in axonal transport in the brain. Becomes activated and highly tumorigenic by truncation of the N-terminus (By similarity). Isoform 5 activates CDC42.,similarity:Belongs to the MCF2 family.,similarity:Contains 1 CRAL-TRIO domain.,similarity:Contains 1 DH (DBL-homology) domain.,similarity:Contains 1 PH domain.,similarity:Contains 1 SH3 domain.,similarity:Contains 1 spectrin repeat.,subunit:Interacts with CCPG1,

	which results in specific inhibiti
Background	This gene encodes a guanine nucleotide exchange factor that interacts specifically with the GTP-bound Rac1 and plays a role in the Rho/Rac signaling pathways. A variant in this gene was associated with osteoarthritis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2016],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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