

# Immunotag™ CDKAL1 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITT0841
Product Description	Immunotag™ CDKAL1 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	CDKAL1
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Rat
Host Species	Rabbit
Immunogen	The antiserum was produced against synthesized peptide derived from human CDKAL. AA range:10-59
Specificity	CDKAL1 Polyclonal Antibody detects endogenous levels of CDKAL1 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	CDKAL1
Accession No.	Q5VV42 Q91WE6
Alternate Names	CDKAL1; Threonylcarbamoyladenosine tRNA methylthiotransferase; CDK5 regulatory subunit-associated protein 1-like 1; tRNA-t(6)A37 methylthiotransferase

## Antibody Specification

Description	CDK5 regulatory subunit associated protein 1 like 1(CDKAL1) Homo sapiens The protein encoded by this gene is a member of the methylthiotransferase family. The function of this gene is not known. Genome-wide association studies have linked single nucleotide polymorphisms in an intron of this gene with susceptibility to type 2 diabetes. [provided by RefSeq, May 2010],
Protein Expression	Placenta,Testis,Trachea,
Subcellular Localization	endoplasmic reticulum,endoplasmic reticulum membrane,rough endoplasmic reticulum,membrane,integral component of membrane,
Protein Function	cofactor: Binds 2 4Fe-4S clusters. One cluster is coordinated with 3 cysteines and an exchangeable S-adenosyl-L-methionine.,similarity: Belongs to the methylthiotransferase family. CDKAL1 subfamily.,similarity: Contains 1 MTTase N-terminal domain.,similarity: Contains 1 TRAM domain.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.