CABC1 Rabbit pAb

CatalogNo: YT0583

Key Features

Host Species	Reactivity	Applications
• Rabbit	• Human,Mouse,Rat	• WB,IHC,IF,ELISA

MW	Isotype
• 70kD (Observed)	• IgG

Recommended Dilution Ratios

WB 1:500-1:2000
IHC 1:100-1:300
IF 1:200-1:1000
ELISA 1:10000
Not yet tested in other applications.

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	The antiserum was produced against synthesized peptide derived from human ADCK3. AA range:301-350
Specificity	CABC1 Polyclonal Antibody detects endogenous levels of CABC1 protein.

Target Information

Gene name ADCK3

Protein Name Chaperone activity of bc1 complex-like mitochondrial

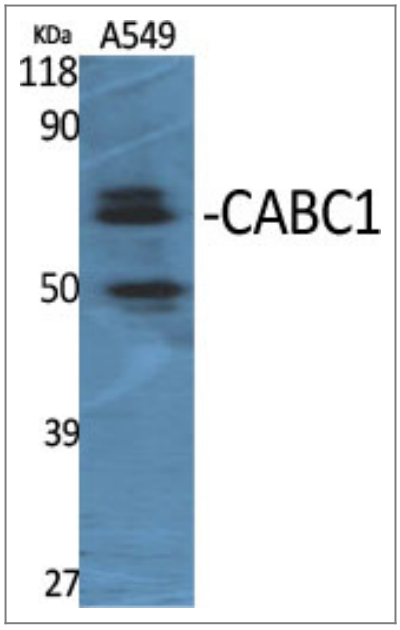
Organism	Gene ID	UniProt ID
Human	56997;	Q8NI60;
Mouse	67426;	Q60936;
Rat	360887;	Q5BJQ0;

Cellular Localization Mitochondrion . Membrane ; Single-pass membrane protein .

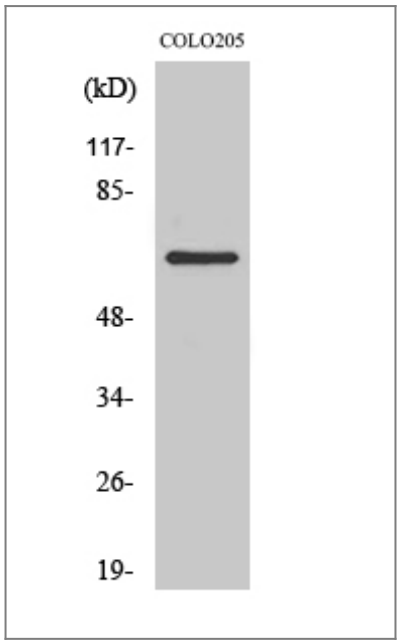
Tissue specificity Widely expressed, with highest levels in adrenal gland, heart, pancreas, nasal mucosa, stomach, uterus and skeletal muscle.

Function Disease:Defects in CABC1 are a cause of coenzyme Q10 deficiency [MIM:607426]; also known as primary CoQ10 deficiency. Coenzyme Q10 deficiency patients present a progressive neurological disorder with cerebellar atrophy, developmental delay, and hyperlactatemia.,Disease:Defects in CABC1 are the cause of spinocerebellar ataxia autosomal recessive type 9 (SCAR9) [MIM:612016]; also known as autosomal recessive cerebellar ataxia type 2 (ARCA2). Spinocerebellar ataxia is a clinically and genetically heterogeneous group of cerebellar disorders. Patients show progressive incoordination of gait and often poor coordination of hands, speech and eye movements, due to degeneration of the cerebellum with variable involvement of the brainstem and spinal cord. SCAR9 is an autosomal recessive form characterized by gait ataxia and cerebellar atrophy with slow progression and few associated features. Patients can manifest brisk tendon reflexes and Hoffmann sign, mild psychomotor retardation, mild axonal degeneration of the sural nerve, exercise intolerance and elevated serum lactate.,Function:May be a chaperone-like protein essential for the proper conformation and functioning of protein complexes in the respiratory chain.,induction:By p53.,similarity:Belongs to the protein kinase superfamily. ADCK protein kinase family.,similarity:Contains 1 protein kinase domain.,tissue specificity:Ubiquitously expressed with a relatively greater abundance in heart and skeletal muscle.,

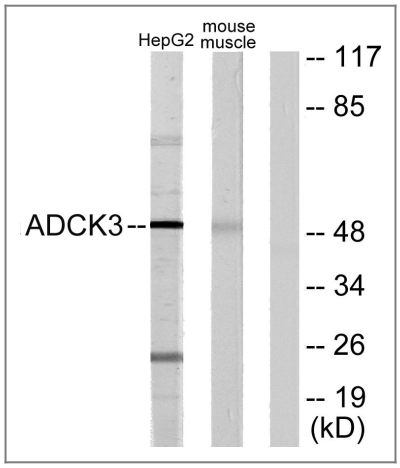
Validation Data



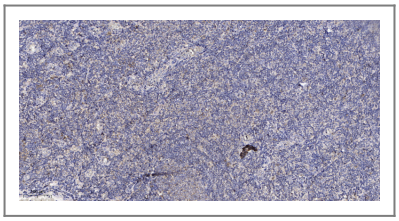
Western Blot analysis of various cells using CABC1 Polyclonal Antibody



Western Blot analysis of COLO205 cells using CABC1 Polyclonal Antibody



Western blot analysis of lysates from HepG2 and mouse muscle cells, using ADCK3 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).

Contact information

Orders:	order@immunoway.com
Support:	tech@immunoway.com
Telephone:	877-594-3616 (Toll Free), 408-747-0185
Website:	http://www.immunoway.com
Address:	2200 Ringwood Ave San Jose, CA 95131 USA

Please scan the QR code to access additional product information:
CABC1 Rabbit pAb