

# Succinyl-CoA Synthetase (D8A11) Rabbit mAb

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Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W, IP, IF-IC, eCLIP	H M R Mk	Endogenous	36	Rabbit IgG	#P53597	8802

## Product Usage Information

### Application

Western Blotting  
Immunoprecipitation  
Immunofluorescence (Immunocytochemistry)  
eCLIP

### Dilution

1:1000  
1:50  
1:100  
1:200

For more information about the RBP-eCLIP service please visit Eclipsebio.

## Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.

## Specificity/Sensitivity

Succinyl-CoA Synthetase (D8A11) Rabbit mAb detects endogenous levels of total succinyl-CoA synthetase (α subunit) protein.

## Source / Purification

Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the amino terminus of human succinyl-CoA synthetase protein.

## Background

Succinyl-CoA synthetase α subunit (SUCLG1) catalyzes the conversion of succinate to succinyl-CoA and plays a key role in the citric acid cycle (1,2). Deficiency of this enzyme leads to a variety of diseases including fatal infantile lactic acidosis (3) and mitochondrial hepatoencephalomyopathy (4).

## Background References

1. Johnson, J.D. et al. (1998) *J Biol Chem* 273, 27580-6.
2. Phillips, D. et al. (2009) *Biochemistry* 48, 7140-9.
3. Ostergaard, E. et al. (2007) *Am J Hum Genet* 81, 383-7.
4. Van Hove, J.L. et al. (2010) *Pediatr Res* 68, 159-64.

## Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

## Western Blot Buffer

**IMPORTANT:** For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

## Applications Key

**W:** Western Blotting **IP:** Immunoprecipitation **IF-IC:** Immunofluorescence (Immunocytochemistry)  
**eCLIP:** eCLIP

## Cross-Reactivity Key

**H:** Human **M:** Mouse **R:** Rat **Mk:** Monkey

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