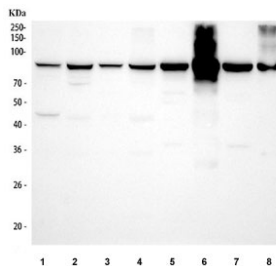


## Aconitase 2 Antibody / ACO2 (R32458)

Catalog No.	Formulation	Size
R32458	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	Q99798
<b>Localization</b>	Cytoplasmic
<b>Applications</b>	Western Blot : 0.5-1ug/ml
<b>Limitations</b>	This Aconitase 2 antibody is available for research use only.



Western blot testing of 1) human HeLa, 2) human U-87 MG, 3) human Jurkat, 4) human HepG2, 5) rat brain, 6) rat skeletal muscle, 7) mouse brain and 8) mouse skeletal muscle tissue lysate with Aconitase 2 antibody. Predicted molecular weight: ~85 kDa.

### Description

Aconitase 2, mitochondrial is a protein that in humans is encoded by the ACO2 gene. The protein encoded by this gene belongs to the aconitase/IPM isomerase family. It is an enzyme that catalyzes the interconversion of citrate to isocitrate via cis-aconitate in the second step of the TCA cycle. This protein is encoded in the nucleus and functions in the mitochondrion. It was found to be one of the mitochondrial matrix proteins that are preferentially degraded by the serine protease 15 (PRSS15), also known as Lon protease, after oxidative modification.

## Application Notes

Optimal dilution of the Aconitase 2 antibody should be determined by the researcher.

## Immunogen

Amino acids TSQRLQLLEPFDKWDGKDLEDLQILIKVKGKCTTDH from the human protein were used as the immunogen for the Aconitase 2 antibody.

## Storage

Prior to reconstitution, store at 4oC. After reconstitution, the Aconitase 2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.