

## ANT4 Polyclonal Antibody

Catalog No: #40596

Package Size: #40596-1 50ul #40596-2 100ul

## Description

|                       |                                                                                                                                                                                                     |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | ANT4 Polyclonal Antibody                                                                                                                                                                            |
| Host Species          | Rabbit                                                                                                                                                                                              |
| Clonality             | Polyclonal                                                                                                                                                                                          |
| Purification          | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                               |
| Applications          | WB IHC IF ELISA                                                                                                                                                                                     |
| Species Reactivity    | Hu Ms                                                                                                                                                                                               |
| Specificity           | ANT4 Polyclonal Antibody detects endogenous levels of ANT4 protein.                                                                                                                                 |
| Immunogen Type        | peptide                                                                                                                                                                                             |
| Immunogen Description | Synthesized peptide derived from the Internal region of human ANT4.                                                                                                                                 |
| Conjugates            | Unconjugated                                                                                                                                                                                        |
| Target Name           | ANT4                                                                                                                                                                                                |
| Other Names           | SLC25A31; AAC4; ANT4; SFEC; ADP/ATP translocase 4; ADP; ATP carrier protein 4; Adenine nucleotide translocator 4; ANT 4; Solute carrier family 25 member 31; Sperm flagellar energy carrier protein |
| Accession No.         | Swiss-Prot: Q9H0C2NCBI Gene ID: 83447                                                                                                                                                               |
| SDS-PAGE MW           | 35kd                                                                                                                                                                                                |
| Concentration         | 1mg/ml                                                                                                                                                                                              |
| Formulation           | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                             |
| Storage               | Store at -20°C/1 year                                                                                                                                                                               |

## Application Details

Western Blot: 1/500 - 1/2000.

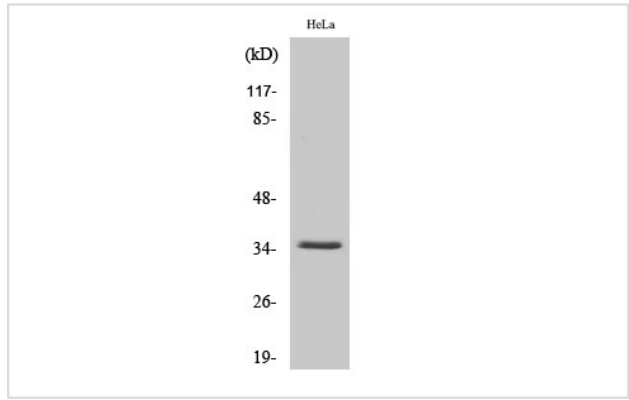
Immunohistochemistry: 1/100 - 1/300.

Immunofluorescence: 1/200 - 1/1000.

ELISA: 1/40000.

Not yet tested in other applications.

## Images



Western Blot analysis of COLO205 cells using ANT4 Polyclonal Antibody

Published Papers

el at., Inhibition of mitochondrial permeability transition by deletion of the ANT family and CypD. In Sci Adv on 2019 Aug 28 by Karch J, Bround MJ, et al..PMID:31489369, , (2019)

[PMID:31489369](#)

el at., ANT-dependent MPTP underlies necrotic myofiber death in muscular dystrophyInSci AdvOn2023 Aug 25byMichael J Bround?1,?Julian R Havens et al..PMID: 37624892, , (2023)

[PMID:37624892](#)

Patel Pooja;Mendoza Arielys;Ramirez Daniel;Robichaux Dexter;Molkentin Jeffery D.;Karch Jason el at., The adenine nucleotide translocase family underlies cardiac ischemia-reperfusion injury through the mitochondrial permeability pore independently of cyclophilin D, , (2024)

[PMID:](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.