

## Catalog #: 50949

### Aliases

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

### Background

Gene Name: SLC25A31

NCBI Gene Entry: [83447](#)

UniProt Entry: [Q9H0C2](#)

### Application Information

Molecular Weight: Predicted, 35 kDa; observed, 35 kDa

Clonality: Rabbit polyclonal antibody

Species Reactivity: Human, monkey

Applications Tested: Western blotting (WB), immunohistochemistry (IHC), immunocytochemistry (IC)

### Immunogen

A synthesized peptide derived from human ANT4

### Isotype

Rabbit IgG

### Storage Buffer

Supplied in PBS (pH 7.3) containing 30% glycerol, and 0.01% sodium azide.

### Storage

Store at -20 °C for one year.

### Recommended Dilutions

Western Blotting (WB): 1:500-1:1,000

Immunohistochemistry (IHC): 1:50-1:100

Immunocytochemistry (IC): 1:50-1:200

**Note:** This product is for research use only.

### Validation Data

---

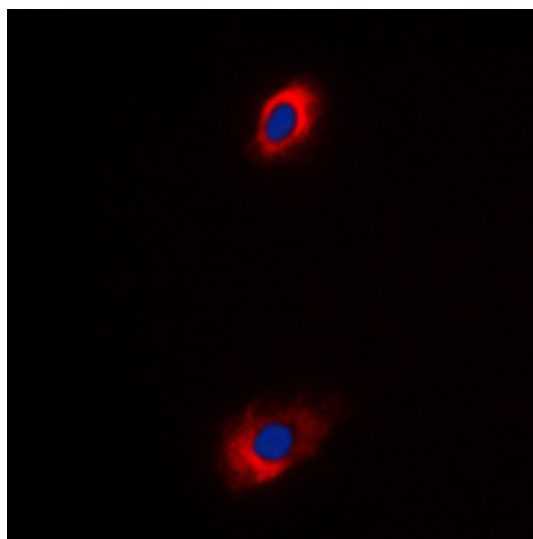
#### SUPPORT

SUPPORT@GENUINBIOTECH.COM  
TEL: +1-540-855-7041

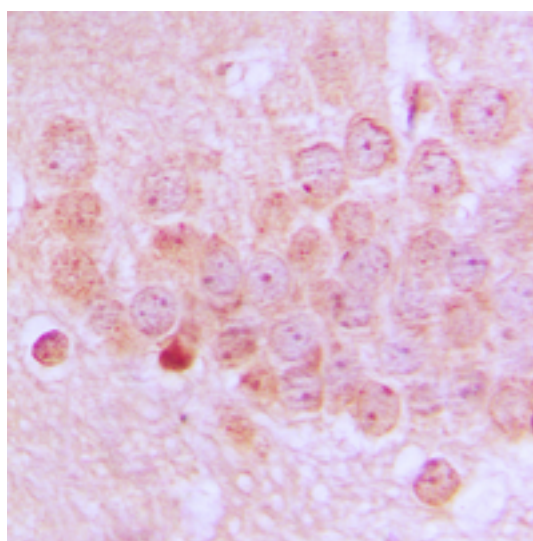
#### ORDERS

SALES@GENUINBIOTECH.COM  
FAX: +1-540-855-7041

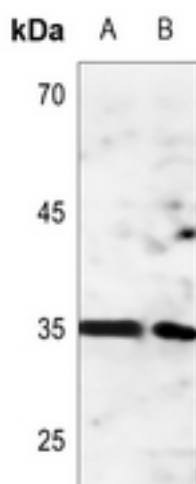
[WWW.GENUINBIOTECH.COM](http://WWW.GENUINBIOTECH.COM)



Immunocytochemical analysis of ANT4 staining in K562 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



Immunohistochemical analysis of ANT4 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Western blotting analysis of ANT4 expression in HEK293T (A), A549 (B) whole cell lysates.