

AT134 Rabbit pAb

CatalogNo: YT7061

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB

MW

- 132kD (Calculated)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

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 Synthesized peptide derived from human AT134 AA range: 719-769

Specificity This antibody detects endogenous levels of AT134 at Human/Mouse

Target Information

Gene name ATP13A4 UNQ3052/PRO9871

Protein Name AT134

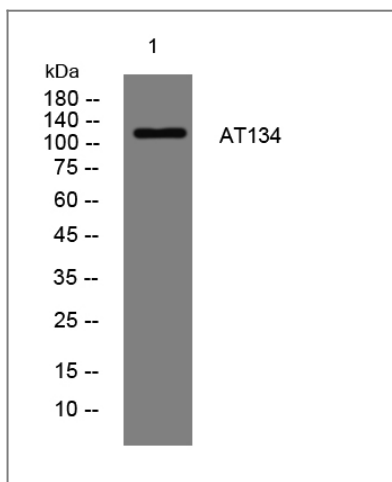
Organism	Gene ID	UniProt ID
Human	84239 ;	Q4VNC1 ;
Mouse	224079 ;	Q5XF90 ;

Cellular Localization Early endosome membrane ; Multi-pass membrane protein . Late endosome membrane ; Multi-pass membrane protein . Recycling endosome membrane ; Multi-pass membrane protein .

Tissue specificity Expressed in heart, placenta, liver, skeletal muscles, and pancreas. Lower levels of expression are also detected in brain, lung and kidney. Weakly expressed in the adult brain. Expression in fetal brain is higher than in adult brain, with levels similar to several other fetal tissues including spleen and skeletal muscle. In adult brain expressed at low levels in all tissues examined, including the temporal lobe and putamen (PubMed:15925480). Highly expressed in the respiratory and integumentary systems (PubMed:29505581).

Function Catalytic activity:ATP + H(2)O = ADP + phosphate.,Disease:A chromosomal aberration involving ATP13A4 is found in 2 patients with specific language impairment (SLI) disorders. Paracentric inversion inv(3)(q25;q29). The inversion produces a disruption of the protein.,induction:Decreased by half in the SLI patient lymphoblasts.,sequence Caution:Wrong choice of CDS.,similarity:Belongs to the cation transport ATPase (P-type) family.,similarity:Belongs to the cation transport ATPase (P-type) family. Type V subfamily.,tissue specificity:Expressed in heart, placenta, liver, skeletal muscles, and pancreas. Lower levels of expression are also detected in brain, lung and kidney. Weakly expressed in the adult brain. Expression in fetal brain is higher than in adult brain, with levels similar to several other fetal tissues including spleen and skeletal muscle. In adult brain expressed at low levels in all tissues examined, including the temporal lobe and putamen.,

Validation Data



Western blot analysis of lysates from THP-1 cells, primary antibody was diluted at 1:1000, 4° over night

Contact information

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AT134 Rabbit pAb

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