

Product datasheet for **TA350578**

ATIC Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: 231 cell IHC: 25-100 Positive control: Human brain Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human ATIC
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	65 kDa
Gene Name:	5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase
Database Link:	NP_004035 Entrez Gene 81643 Rat Entrez Gene 108147 Mouse Entrez Gene 471 Human P31939
Background:	This gene encodes a bifunctional protein that catalyzes the last two steps of the de novo purine biosynthetic pathway. The N-terminal domain has phosphoribosylaminoimidazolecarboxamide formyltransferase activity, and the C-terminal domain has IMP cyclohydrolase activity. A mutation in this gene results in AICA-ribosiduria.
Synonyms:	AICAR; AICARFT; HEL-S-70p; IMPCHASE; PURH

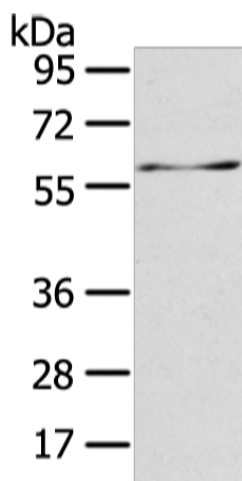


[View online »](#)

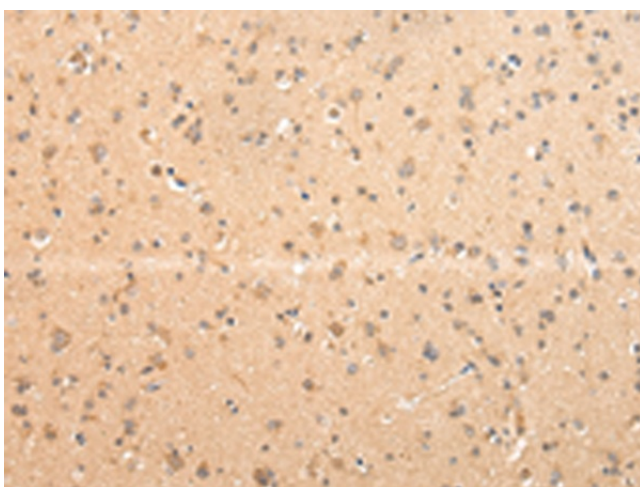
Protein Families: Stem cell - Pluripotency

Protein Pathways: Metabolic pathways, One carbon pool by folate, Purine metabolism

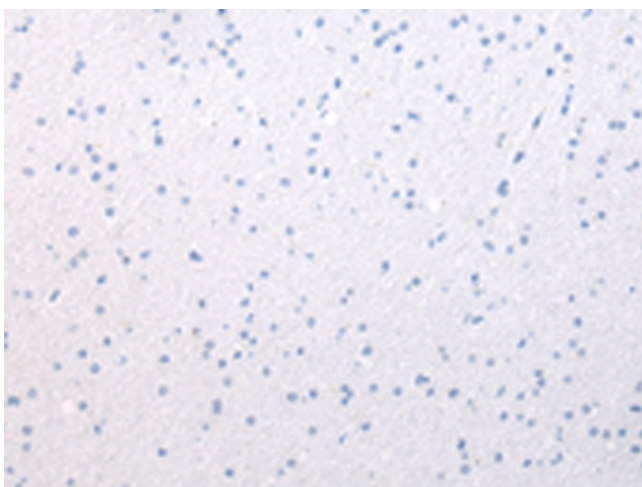
Product images:



Gel: 6%SDS-PAGE
Lysate: 40 μ g
Lane: 231 cell
Primary antibody: TA350578 (ATIC Antibody) at dilution 1/350
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 20 seconds



Immunohistochemistry of paraffin-embedded Human brain tissue using TA350578 (ATIC Antibody) at dilution 1/25 (Original magnification: \times 200)



Immunohistochemistry of paraffin-embedded Human brain tissue using TA350578 (ATIC Antibody) at dilution 1/25, treated with fusion protein. (Original magnification: $\times 200$)