

Datasheet for ABIN2782481
anti-ATIC antibody (N-Term)



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2 Images

Overview

Quantity:	100 µL
Target:	ATIC
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Rabbit, Horse, Cow, Guinea Pig, Saccharomyces cerevisiae, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATIC antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human ATIC
Sequence:	YVVVSTEMQS SESKDTSLT RRQLALKAFHTAQAQYDEAIS DYFRKQYSKG
Predicted Reactivity:	Cow: 93%, Dog: 93%, Guinea Pig: 100%, Horse: 93%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Yeast: 100%, Zebrafish: 85%
Characteristics:	This is a rabbit polyclonal antibody against ATIC. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

Target Details

Target:	ATIC
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Target Details

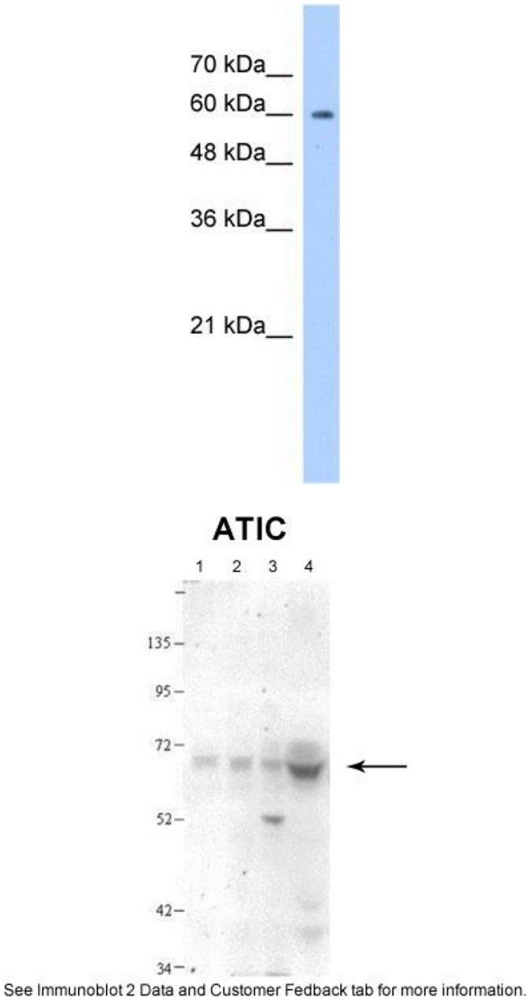
Alternative Name:	ATIC (ATIC Products)
Background:	<p>ATIC is a bifunctional protein requiring dimerization for transformylase activity.</p> <p>Alias Symbols: AICAR, AICARFT, IMPCHASE, PURH</p> <p>Protein Interaction Partner: UBC, NEDD8, SUMO1, ASB6, TATDN1, NSFL1C, OGFOD1, STK26, ISOC1, MCTS1, PROSC, PAPSS1, NAE1, YWHAЕ, UBA1, PTMA, PAFAH1B1, MYO1E, MSN, IPO5, FH, CTH, CAPN2, AHCY, GMDS, TARDBP, TYMS, TXN, SUMO2, RBBP6, OXCT1, CRK, CLNS1A, CDK2, ISG15, SIRT7, EGFR, ATIC, CMBL</p> <p>Protein Size: 592</p>
Molecular Weight:	64 kDa
Gene ID:	471
NCBI Accession:	NM_004044 , NP_004035
UniProt:	P31939

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 592 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.



Western Blotting

Image 1. WB Suggested Anti-ATIC Antibody Titration: 1.25ug/ml Positive Control: HepG2 cell lysate ATIC is supported by BioGPS gene expression data to be expressed in HepG2

Western Blotting

Image 2. Sample Type: 1. Hamster CHO K1 cells (20ug)
2. HeLa skin cells(20ug)
3. HEK273 cells (20ug)
4. Human Skin Fibroblats (100ug)

Primary Dilution: 1:800

Secondary Antibody: Clean-Blot IP detection Reagent and Kit

Secondary Dilution: 1:2000

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