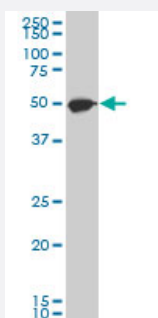


BAT1 polyclonal antibody (A01)

Catalog # H00007919-A01

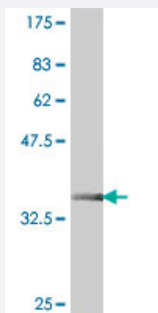
Size 50 uL

Applications



Western Blot (Cell lysate)

BAT1 polyclonal antibody (A01), Lot # GTH0060529QCS1 Western Blot analysis of BAT1 expression in HeLa S3 NE (Cat # L013V3).



Western Blot detection against Immunogen (37.11 kDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant BAT1.
Immunogen	BAT1 (NP_004631, 329 a.a. ~ 428 a.a) partial recombinant protein with GST tag.
Sequence	RYQQFKDFQRRILVATNLFGRGMDIERVNIAFNNDMPEDSDTYLHRVARAGRFGTKGLAITFVSDE NDAKILNDVQDRFEVNISELPDEIDISSYIEQTR
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (100); Rat (100)

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (37.11 KDa) .

Storage Buffer

50 % glycerol

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

BAT1 polyclonal antibody (A01), Lot # GTH0060529QCS1 Western Blot analysis of BAT1 expression in Hela S3 NE (Cat # L013V3).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — BAT1

Entrez GeneID

[7919](#)

GeneBank Accession#

[NM_004640](#)

Protein Accession#

[NP_004631](#)

Gene Name

BAT1

Gene Alias

D6S81E, DDX39B, UAP56

Gene Description

HLA-B associated transcript 1

Omim ID

[142560](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene encodes a member of the DEAD box family of RNA-dependent ATPases that mediate ATP hydrolysis during pre-mRNA splicing. The encoded protein is an essential splicing factor required for association of U2 small nuclear ribonucleoprotein with pre-mRNA, and also plays an important role in mRNA export from the nucleus to the cytoplasm. A cluster of genes, BAT1-BAT5, is localized in the vicinity of the genes for TNF alpha and TNF beta. These genes are all within the human major histocompatibility complex class III region. Mutations in this gene may be associated with rheumatoid arthritis. Alternatively spliced transcript variants encoding the same protein have been described. [provided by RefSeq]

Other Designations

56 kDa U2AF65-associated protein|ATP-dependent RNA helicase p47|DEAD (Asp-Glu-Ala-Asp) box polypeptide 39B|DEAD-box protein UAP56|OTTHUMP00000029228|OTTHUMP00000029229|OTTHUMP00000035591|OTTHUMP00000035963|OTTHUMP00000035964|OTTHUMP000035965|OTTHUMP0000

Publication Reference

- [Murine leukemia virus uses TREX components for efficient nuclear export of unspliced viral transcripts.](#)

Sakuma T, Tonne JM, Ikeda Y.

Viruses 2014 Mar; 6(3):1135.

Application: WB-Tr, Human, 293T, TE671 cells

- [Proteins associated with the exon junction complex also control the alternative splicing of apoptotic regulators.](#)

Michelle L, Cloutier A, Toutant J, Shkreta L, Thibault P, Durand M, Garneau D, Gendron D, Lapointe E, Couture S, Le Hir H, Klinck R, Elela SA, Prinos P, Chabot B.

Molecular and Cellular Biology 2011 Dec; 32(5):954.

Application: WB, Human, HEK 293, HeLa cells

- [Requirement of UAP56, URH49, RBM15, and OTT3 in the expression of Kaposi sarcoma-associated herpesvirus ORF57.](#)

Majerciak V, Deng M, Zheng ZM.

Virology 2010 Nov; 407(2):206.

Application: WB-Tr, Human, HEK 293, HeLa cells

- [A dual reporter approach to quantify defects in mRNA processing.](#)

Banerjee A, Sammarco MC, Ditch S, Grabczyk E.

Analytical Biochemistry 2009 Dec; 395(2):237.

Application: WB-Tr, Human, HEK 293 Flp-In T-REx cells

Disease

- [Acquired Immunodeficiency Syndrome](#)
- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Arthritis](#)
- [Asthma](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [HIV Seropositivity](#)
- [Lupus Erythematosus](#)
- [Malaria](#)
- [Myocardial Infarction](#)
- [Tobacco Use Disorder](#)