

Datasheet: MCA6375

BATCH NUMBER 160845

Description:	RAT ANTI MOUSE AATF
Specificity:	AATF
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	1B2D8
Isotype:	IgG2a
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			2 ug/ml - 4 ug/ml
Immunofluorescence	▪			1/100 - 1/500

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species

Mouse

Species Cross Reactivity

Reacts with: Human

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Preparation

Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant

Buffer Solution

Phosphate buffered saline

Preservative

0.035% Sodium Azide (NaN₃)

Stabilisers	30% Glycerol
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	A peptide comprising amino acids 1-39 of mouse AATF (apoptosis-antagonizing transcription factor)
External Database Links	<p>UniProt: Q9JKX4 Related reagents</p> <p>Entrez Gene: 56321 Aatf Related reagents</p>
Synonyms	Che1, Trb
Specificity	<p>Rat anti Mouse AATF antibody, clone 1B2D8 recognizes apoptosis-antagonizing transcription factor, also known as Rb-binding protein che-1.</p> <p>AATF was first identified as an RNA pol II – interacting factor (Fanciulli <i>et al.</i> 2000). AATF is a protein encoded by the <i>AATF</i> gene. AATF mediates cellular responses and promotes cell proliferation and survival by inducing autophagy, DNA repair, and cell cycle arrest and inhibiting apoptosis (Kumar <i>et al.</i> 2019). DNA damage leads to phosphorylation of AATF at tyrosine 366 by the MAP kinase-activated protein kinase 2 (MK2) (Höpker <i>et al.</i> 2012).</p> <p>Rat anti Mouse AATF antibody detects a band of 80 kDa.</p>
Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10049 available at: https://www.bio-rad-antibodies.com/SDS/MCA6375 10049
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Rat IgG (STAR69...)	FITC
Goat Anti Rat IgG (STAR73...)	RPE
Rabbit Anti Rat IgG (STAR16...)	DyLight@800
Rabbit Anti Rat IgG (STAR17...)	FITC
Goat Anti Rat IgG (STAR131...)	Alk. Phos., Biotin
Goat Anti Rat IgG (STAR72...)	HRP
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	DyLight@650, DyLight@800
Rabbit Anti Rat IgG (STAR21...)	HRP

Recommended Negative Controls

[RAT IgG2a NEGATIVE CONTROL \(MCA1212\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M394843:220218'

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