

Datasheet: MCA3532Z

Description:	MOUSE ANTI HUMAN UBE3A:Preservative Free
Specificity:	UBE3A
Other names:	E6AP
Format:	Preservative Free
Product Type:	Monoclonal Antibody
Clone:	2F6
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
Immunohistology - Paraffin (1)	▪			0.1 - 10 ug/ml
Western Blotting	▪			
Immunofluorescence	▪			0.1 - 10 ug/ml

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.

(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Approx. Protein Concentrations	Ig concentration 0.5 mg/ml
Immunogen	Recombinant protein corresponding to aa 51-151 of human UBE3A

External Database Links

UniProt:

[Q05086](https://www.uniprot.org/entry/Q05086)

[Related reagents](#)

Entrez Gene:[7337](#) UBE3A [Related reagents](#)

Synonyms	E6AP, EPVE6AP, HPVE6A
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Fusion Partners	Spleen cells from immunized Balb/c mice were fused with cells from the Sp2/0 myeloma cell line.
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Specificity	<p>Mouse anti Human UBE3A antibody, clone 2F6 recognizes human Ubiquitin-protein ligase E3A, also known as UBE3A, E6AP ubiquitin-protein ligase, Human papillomavirus E6-associated protein, Oncogenic protein-associated protein E6-AP or Renal carcinoma antigen NY-REN-54. UBE3A is an 875 amino acid ~95 kDa E3 ubiquitin-protein ligase.</p> <p>Mutations of the UBE3A gene can lead to the development of Angelman syndrome (AS) a neurodevelopmental disorder characterized by severe motor and intellectual retardation, hypotonia, ataxia and jerky limb movements (Sadikovic et al. 2014).</p>
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References	<ol style="list-style-type: none">1. Wolyniec, K. <i>et al.</i> (2012) E6AP ubiquitin ligase regulates PML-induced senescence in Myc-driven lymphomagenesis. Blood. 120: 822-32.2. Paul, P.J. <i>et al.</i> (2016) Restoration of tumor suppression in prostate cancer by targeting the E3 ligase E6AP. Oncogene. 35 (48): 6235-45.
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Storage	<p>Store at -20°C only.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
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Shelf Life	18 months from date of despatch.
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Health And Safety Information	Material Safety Datasheet documentation #10162 available at: 10162: https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight@488 , DyLight@549 , DyLight@649 , DyLight@680 , DyLight@800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight@800
Goat Anti Mouse IgG (STAR70...)	FITC
Human Anti Mouse IgG2a (HCA037...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP

Recommended Negative Controls

MOUSE IgG2a NEGATIVE CONTROL (MCA929)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

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