

Datasheet: MCA3532Z

**BATCH NUMBER 161654**

<b>Description:</b>	MOUSE ANTI HUMAN UBE3A:Preservative Free
<b>Specificity:</b>	UBE3A
<b>Other names:</b>	E6AP
<b>Format:</b>	Preservative Free
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	2F6
<b>Isotype:</b>	IgG2a
<b>Quantity:</b>	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](http://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.**

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	None present

<b>Approx. Protein Concentrations</b>	Ig concentration 0.5 mg/ml
<b>Immunogen</b>	Recombinant protein corresponding to aa 51-151 of human UBE3A
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q05086</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">7337</a>    UBE3A    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	E6AP, EPVE6AP, HPVE6A
<b>RRID</b>	AB_2211795
<b>Fusion Partners</b>	Spleen cells from immunized Balb/c mice were fused with cells from the Sp2/0 myeloma cell line.
<b>Specificity</b>	<p><b>Mouse anti Human UBE3A antibody, clone 2F6</b> 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 (<a href="#">AS</a>) a neurodevelopmental disorder characterized by by severe motor and intellectual retardation, hypotonia, ataxia and jerky limb movements (<a href="#">Sadikovic et al. 2014</a>).</p>
<b>References</b>	<ol style="list-style-type: none"> <li>1. Wolynec, K. <i>et al.</i> (2012) E6AP ubiquitin ligase regulates PML-induced senescence in Myc-driven lymphomagenesis. <a href="#">Blood. 120: 822-32.</a></li> <li>2. Paul, P.J. <i>et al.</i> (2016) Restoration of tumor suppression in prostate cancer by targeting the E3 ligase E6AP. <a href="#">Oncogene. 35 (48): 6235-45.</a></li> </ol>
<b>Storage</b>	<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>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	<p>Material Safety Datasheet documentation #10162 available at:  <a href="https://www.bio-rad-antibodies.com/SDS/MCA3532Z">https://www.bio-rad-antibodies.com/SDS/MCA3532Z</a>  10162</p>
<b>Regulatory</b>	For research purposes only

## Related Products

## Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (H/L) (STAR117...)	<a href="#">Alk. Phos.</a> , <a href="#">DyLight®488</a> , <a href="#">DyLight®550</a> , <a href="#">DyLight®650</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a> , <a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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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](https://bio-rad-antibodies.com/datasheets)  
'M367641:200529'

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