

## Datasheet: VPA00088KT

<b>Description:</b>	BAP31 ANTIBODY WITH CONTROL LYSATE
<b>Specificity:</b>	BAP31
<b>Other names:</b>	p28
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Polyclonal
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	2 Westerns

## 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
Western Blotting	▪			1/1000

**PrecisionAb antibodies have been extensively [validated for the western blot application](#).** The antibody has been validated at the suggested dilution. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependant on sample type.

### Target Species

Human

### Species Cross Reactivity

Reacts with: Rat

**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

20µl Rabbit polyclonal antibody purified by affinity chromatography

### Buffer Solution

Phosphate buffered saline

### Preservative Stabilisers

0.09% Sodium Azide (NaN<sub>3</sub>)

**Immunogen** 17 amino acid peptide located near human BAP31 C-terminus.

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**External Database**

**Links**

**UniProt:**

[P51572](#) [Related reagents](#)

**Entrez Gene:**

[10134](#) BCAP31 [Related reagents](#)

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**Synonyms**

BAP31, DXS1357E

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**Specificity**

**Rabbit anti Human BAP31 antibody** recognizes the human chaperone protein, B-cell receptor-associated protein 31, also known as BAP31. BAP31 is a 246 amino acid ~28 kDa conserved multi pass type III integral transmembrane protein of the endoplasmic reticulum, containing two caspase cleavage sites within its cytosolic domain.

BAP31 appears to be a multi-functional ER-associated transport protein which was originally identified through its association with membrane IgD in B-cells ([Adachi et al. 1996](#)). Several proteins have since been shown to associate with BAP31, including the Beta2 integrin receptor CD11b/CD18 ([Zen et al. 2004](#)), non-muscle gamma-actin and myosin B heavy chain ([Ducret et al. 2003](#)). BAP31 has become a focus area for apoptosis studies due to its association with Bcl-2 and cleavage by initiator caspases including caspase 1 and 8 generating a membrane-integrated p20 fragment which is itself a potent inducer of apoptosis when expressed ectopically ([Breckenridge et al. 2003](#)).

Rabbit anti Human BAP31 antibody detects BAP31 as a band of approximately 24 kDa in a wide range of human cell line lysates.

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**Western Blotting**

Rabbit anti BAP31 detects a band of approximately 24 kDa in Jurkat cell lysates.

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**Instructions For Use**

Please refer to the [PrecisionAb western blotting protocol](#). For additional information on secondary antibody dilution and exposure time see product web page.

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**Lysate Composition**

400µg Jurkat lysate lyophilized in RIPA buffer.

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**Lysate Reconstitution**

- If using DDT reconstitute the lyophilized lysate with 190µl DI H<sub>2</sub>O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.  
- If using BME reconstitute the lyophilized lysate with 180µl DI H<sub>2</sub>O, add 200µl 2x Laemmli Sample Buffer and 20µl BME.  
Heat at 95°C for 5 minutes. For 10 well mini gels load 25µl. For other gel and comb formats please refer to the PrecisionAb western blotting protocol.

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**Storage**

Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

Lysate: Store lyophilized lysate at -20°C. After reconstitution aliquot and store at -20°C for up to 3 months or at -80°C for longer term storage.

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**Guarantee**

As supplied, 12 months from date of despatch.

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**Acknowledgements** PrecisionAb™ is a trademark of Bio-Rad Laboratories.

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**Health And Safety Information** Material Safety Datasheet documentation #10040 #10561 available at:  
Antibody (10040): <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>  
Lysate Material (10561): <https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf>

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

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