**BIO·RAD**

# Datasheet: VPA00314KT

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| **Description:** | IST1 ANTIBODY WITH CONTROL LYSATE |
| **Specificity:** | IST1 |
| **Format:** | Purified |
| **Product Type:** | PrecisionAb Polyclonal |
| **Isotype:** | Polyclonal IgG |
| **Quantity:** | 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.

| | 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

**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$_3$)
2% Sucrose

**Immunogen**

Synthetic peptide corresponding to the N-terminal region of Human IST1

**External Database Links**

**UniProt:**

P53990-3      Related reagents

**Specificity**

**Rabbit anti Human IST1 antibody** recognizes IST1, also known as overexpressed in

lung cancer 1 and putative MAPK-activating protein PM28.

The IST1 gene encodes a protein with MIT-interacting motifs that interacts with components of endosomal sorting complexes required for transport (ESCRT). ESCRT functions in vesicle budding, such as that which occurs during membrane abscission in cytokinesis. There is a pseudogene for IST1 on chromosome 19. Alternatively spliced transcript variants encoding multiple isoforms have been observed for IST1 (provided by RefSeq, Aug 2012).

Rabbit anti Human IST1 homolog antibody detects a band of 36 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

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| **Western Blotting** | Anti IST1 detects a band of approximately 36 kDa in Raji cell lysate |
| **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. |
| **Lysate Composition** | 400µg Raji lysate lyophilized in RIPA buffer |
| **Lysate Reconstitution** | - If using DDT reconstitute the lyophilized lysate with 190µl DI $H_2O$, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.<br>- If using BME reconstitute the lyophilized lysate with 180µl DI $H_2O$, add 200µl 2x Laemmli Sample Buffer and 20µl BME.<br>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. |
| **Storage** | Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles.<br><br>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. |
| **Guarantee** | As supplied, 12 months from date of despatch |
| **Acknowledgements** | PrecisionAb™ is a trademark of Bio-Rad Laboratories |
| **Health And Safety Information** | Material Safety Datasheet documentation #10045 #10561 available at:<br>Antibody (10045): https://www.bio-rad-antibodies.com/uploads/MSDS/10045.pdf<br>Lysate Material (10561): https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf |
| **Regulatory** | For research purposes only |

# Related Products

## Recommended Secondary Antibodies

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

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