Antibody to **p53 Protein (CM1)**

**Catalogue No:** VP-P955

---

**Product Specifications**

**Intended use:** For in-vitro diagnostic use.

Rabbit polyclonal Anti-Human p53 Protein (CM1) is intended for immunohistochemistry methodologies. A differential diagnosis is complemented by using a panel of antibodies and in conjunction with morphological studies, patient clinical history and other diagnostic tests by a qualified pathologist.

Mutation of the p53 protein may represent the commonest genetic event in human malignancy. p53 appears to have both a function as an oncoprotein, perhaps by complexing in its mutant form with wild type p53, and as a tumour suppressor gene in its normal state.

**Storage and stability:** Store unopened antibody at 2-8ºC. Do not use after expiration date indicated on the vial label. The reconstituted antibody is stable for 2 months when stored at 2-8ºC. For long term storage, aliquot & freeze at -20ºC. Repeated freezing & thawing should be avoided. Working dilutions should be prepared on the day of use. Return to 2-8ºC immediately after use.

**Specificity:** Human p53 protein wild type and mutant forms under denaturing and non-denaturing conditions.

**Polyclonal designation:** CM1

**Immunogen:** Recombinant human p53 protein.

**Product:** Lyophilised rabbit polyclonal antiserum in PBS (pH7.6) containing 15mM sodium azide plus 0.1% BSA. Reconstitute the contents with the correct volume of sterile distilled water as indicated on the vial.

**Precautions:** As this product is derived from biological material proper handling procedures should be employed. Sodium azide is not considered hazardous at 15mM. However, an MSDS is available on request or online (www.vectorlabs.com) for safety or disposal information.

**Specimen Preparation**

**Paraffin sections:** VP-P955 can be used on paraffin wax embedded tissue fixed in 10% neutral buffered formalin. Pre-treatment of tissue may improve staining in some cases, using a high temperature antigen unmasking technique. Optimal results can be achieved with Vector Antigen Unmasking solution (H-3300). **Frozen sections:** Yes.

**INSTRUCTIONS FOR USE**

Dilutions and times are only a guide, there may be variations due to fixation, specimen collection and preparation, optimal conditions should be established by the individual laboratory.

Following antigen unmasking of paraffin wax embedded tissue VP-P955 should be applied to sections in the dilution range 1:50-1:100 for 60 minutes at 25 ºC.

**Positive control tissue:** A positive control should be used in each run. The recommended control tissues are breast and colonic carcinomas.

**Negative control tissue:** A negative control tissue should be set up to verify the specificity of the antibody.

**Negative control reagent:** A negative control rabbit immunoglobulin (e.g. I-1000) should be used to evaluate non-specific binding.

**Visualisation:** VECTASTAIN® Elite ABC Peroxidase Kits (PK-6200 or PK-6101, PK-7200) in conjunction with substrate kits (SK-4100 or SK-4800) are all recommended for use with this antibody. Specific protocols are included in each kit.

For professional use only.

---

**Selected References:**


---

**Authorised representative:** Vector Laboratories Ltd

3 Accent Park

Bakewell Road

Orton Southgate

Peterborough

PE2 6XS, U.K.

Tel: 01733 237999 • Fax: 01733 237119