Datasheet: AHP1659

Description: RABBIT ANTI p53DINP1

Specificity: p53DINP1

Other names: TP53INP1

Format: Purified

Product Type: Polyclonal Antibody

Isotype: Polyclonal IgG

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.

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Immunohistology - Paraffin (1)</td>
<td>-</td>
<td>-</td>
<td>2ug/ml</td>
</tr>
<tr>
<td>Western Blotting</td>
<td>-</td>
<td>-</td>
<td>1.0 - 2.0ug/ml</td>
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</table>

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

Species Cross Reactivity: Reacts with: Mouse, Rat

N.B. Antibody reactivity and working conditions may vary between species.

Product Form: Purified IgG - liquid

Antiserum Preparation: Antiserum to p53DINP1 was raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by immunoaffinity chromatography.

Buffer Solution: Phosphate buffered saline

Preservative Stabilisers: 0.02% Sodium Azide (NaN₃)

Approx. Protein Concentrations: IgG concentration 1.0mg/ml

Immunogen: A peptide corresponding to 14 amino acids near the amino terminus of human p53DINP1.
Specificity

Rabbit anti p53DINP1 antibody recognizes p53DINP1 (p53-dependent damage-inducible nuclear protein 1). The protein promotes p53 phosphorylation on Ser46 in response to DNA double strand breaks, thereby inducing apoptosis. p53DINP1 is found in the nucleus and is ubiquitously expressed. Expression is dramatically reduced in pancreatic ductal adenocarcinomas early in the development of pancreatic cancer.

Two isoforms of the protein exist, a 27kDa alpha and an 18kDa beta form. AHP1659 detects a band of 27kDa in human lung tissue lysate. In human spleen, and mouse liver and kidney tissue a band is detected at 18kDa.

Storage

Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. 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.

Guarantee

12 months from date of despatch

Health And Safety


Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) FITC
Goat Anti Rabbit IgG (H/L) (STAR124...) HRP
Goat Anti Rabbit IgG (Fc) (STAR121...) Biotin, FITC, HRP
Sheep Anti Rabbit IgG (STAR35...) RPE
Sheep Anti Rabbit IgG (STAR36...) DyLight®488, DyLight®680, DyLight®800

Recommended Useful Reagents

ANTIGEN RETRIEVAL BUFFER, pH8.0 (BUF025A)
ANTIGEN RETRIEVAL BUFFER, pH8.0 (BUF025C)
TidyBlot WESTERN BLOT DETECTION REAGENT:HRP (STAR209P)