Product datasheet

Anti-DUSP2/PAC1 antibody ab137640

Overview

Product name  Anti-DUSP2/PAC1 antibody
Description  Rabbit polyclonal to DUSP2/PAC1
Host species  Rabbit
Tested applications  Suitable for: IHC-P, ICC/IF, WB
Species reactivity  Reacts with: Human
Predicted to work with: Cow
Immunogen  Synthetic peptide corresponding to Human DUSP2/PAC1 aa 251-314 (C terminal).
Positive control  HeLa cell lysate
Parafomaldehyde fixed HeLa cells
Oral CA tissue
General notes  Keep as concentrated solution.
This product was previously labelled as DUSP2

Properties

Form  Liquid
Storage instructions  Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer  pH: 7.00
Preservative: 0.01% Thimerosal (merthiolate)
Constituents: 0.75% Glycine, 1.21% Tris, 10% Glycerol
Purity  Immunogen affinity purified
Clonality  Polyclonal
Isotype  IgG

Applications

Our Abpromise guarantee covers the use of ab137640 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>IHC-P</td>
<td>1/100 - 1/1000. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. Suggested antigen retrieval using heat mediated 10mM citrate buffer (pH6.0) or Tris-EDTA buffer (pH8.0).</td>
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<tr>
<td>ICC/IF</td>
<td>1/100 - 1/1000.</td>
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<tr>
<td>WB</td>
<td>1/500 - 1/3000. Predicted molecular weight: 34 kDa.</td>
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**Target**

**Function**
Regulates mitogenic signal transduction by dephosphorylating both Thr and Tyr residues on MAP kinases ERK1 and ERK2.

**Tissue specificity**
Expressed in hematopoietic tissues.

**Sequence similarities**
Belongs to the protein-tyrosine phosphatase family. Non-receptor class dual specificity subfamily.
Contains 1 rhodanese domain.
Contains 1 tyrosine-protein phosphatase domain.

**Cellular localization**
Nucleus.

**Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DUSP2/PAC1 antibody (ab137640)**

Immunohistochemical analysis of paraffin embedded Oral CA tissue, labelling DUSP2/PAC1 with ab137640 at 1/100 dilution.
Anti-DUSP2/PAC1 antibody (ab137640) at 1/100 dilution + Hela whole cell lysate at 30 µg

**Predicted band size:** 34 kDa

**10% SDS PAGE**

Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, labelling DUSP2/PAC1 with ab137640 at 1/1000 dilution (left), costained with Hoechst 33342 (right).

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