




Product datasheet

Anti-p40 - DeltaNp63 antibody ab166857

[6 References](#) [1 Image](#)

Overview

| | |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product name | Anti-p40 - DeltaNp63 antibody |
| Description | Rabbit polyclonal to p40 - DeltaNp63 |
| Host species | Rabbit |
| Specificity | ab166857 recognizes deltaNp63- a p63 isoform |
| Tested applications | Suitable for: IHC-P |
| Species reactivity | Reacts with: Human Predicted to work with: Mouse, Rat, Cow  |
| Immunogen | Synthetic peptide corresponding to Human p40 - DeltaNp63 aa 5-17. Sequence: ENNAQTQFSEPQY Database link: Q9H3D4  Run BLAST with  Run BLAST with |
| Positive control | Lung squamous cell carcinoma and Prostate tissues. |
| General notes | <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p> |

Properties

| | |
|-----------------------------|-----------------------------------------------------------------------------------------------------------|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle. |
| Storage buffer | pH: 7.3 Preservative: 0.05% Sodium azide Constituents: 98% PBS, 1% BSA |
| Purity | Proprietary Purification |

| | |
|-----------|------------|
| Clonality | Polyclonal |
| Isotype | IgG |

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab166857 in the following tested applications.

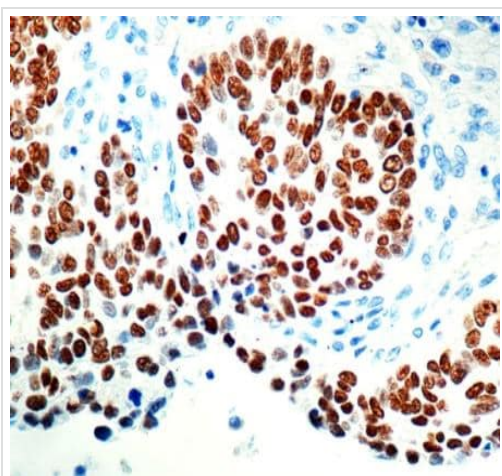
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|------------------------------------------------------------------------------------------------------------------------------|
| IHC-P | | 1/50 - 1/200. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. |

Target

Relevance Differentiating between lung adenocarcinoma and squamous cell carcinoma is an important distinction with therapeutic implications. Although the most frequently recommended squamous marker p63 is extremely sensitive, it suffers from low specificity due to its reactivity in a substantial proportion of lung adenocarcinomas and other tumor types, particularly lymphomas. p40 is a relatively unknown marker that recognizes ?Np63-a p63 isoform suggested to be highly specific for squamous/basal cells. p40 is equivalent to p63 in sensitivity for squamous cell carcinoma, but it is markedly superior to p63 in specificity, which eliminates a potential pitfall of misinterpreting a p63-positive adenocarcinoma or unsuspected lymphoma as squamous cell carcinoma. These findings strongly support the routine use of p40 in place of p63 for the diagnosis of pulmonary squamous cell carcinoma.

Images



Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human Lung squamous Cell Ca, labeling p40 - DeltaNp63 using ab166857 at a 1/50 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-p40 - DeltaNp63 antibody (ab166857)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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