

Product datasheet

Anti-DIP13B/APPL2 antibody ab154661

3 Images

Overview

| | |
|----------------------------|---|
| Product name | Anti-DIP13B/APPL2 antibody |
| Description | Rabbit polyclonal to DIP13B/APPL2 |
| Host species | Rabbit |
| Tested applications | Suitable for: WB, IHC-P, ICC/IF |
| Species reactivity | Reacts with: Human |
| Immunogen | Recombinant fragment corresponding to Human DIP13B/APPL2 aa 476-664 (C terminal). Database link: Q8NEU8 |
| Positive control | NT2D1 or IMR32 whole cell lysate; A431 cells; HBL435 xenograft |
| 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. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. |
| Storage buffer | pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 20% Glycerol (glycerin, glycerine) |
| Purity | Immunogen affinity purified |
| Clonality | Polyclonal |
| Isotype | IgG |

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab154661 in the following tested applications.

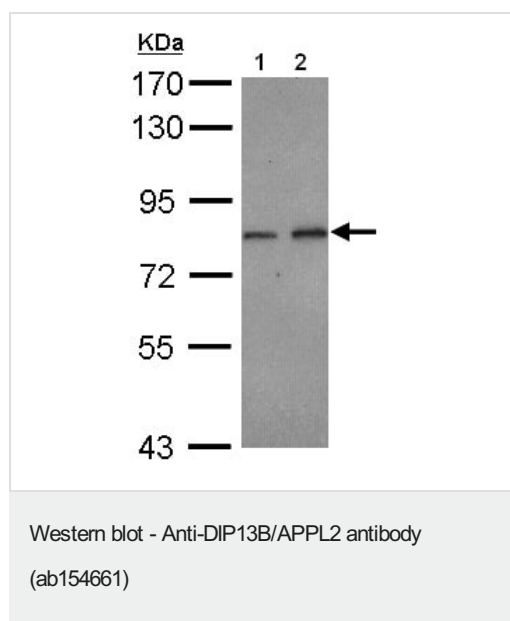
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|--|
| WB | | 1/500 - 1/3000. Predicted molecular weight: 74 kDa. |
| IHC-P | | 1/100 - 1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. Alternatively Tris-EDTA buffer (pH8.0) may be used. |
| ICC/IF | | 1/100 - 1/1000. |

Target

| | |
|-------------------------------|--|
| Function | Required for the regulation of cell proliferation in response to extracellular signals mediated by an early endosomal compartment. Links Rab5 to nuclear signal transduction. |
| Tissue specificity | High levels in brain, heart, kidney and skeletal muscle. |
| Involvement in disease | Note=A chromosomal aberration involving APPL2/DIP13B is found in patients with chromosome 22q13.3 deletion syndrome. Translocation t(12;22)(q24.1;q13.3) with SHANK3/PSAP2. |
| Sequence similarities | Contains 1 PH domain. Contains 1 PID domain. |
| Cellular localization | Early endosome membrane. Nucleus. Early endosomal membrane-bound and nuclear. Translocated into the nucleus upon release from endosomal membranes following internalization of EGF. |

Images



All lanes : Anti-DIP13B/APPL2 antibody (ab154661) at 1/1000 dilution

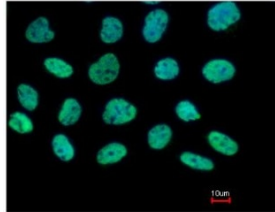
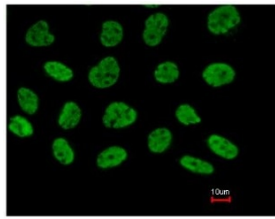
Lane 1 : NT2D1 whole cell lysate

Lane 2 : IMR32 whole cell lysate

Lysates/proteins at 30 µg per lane.

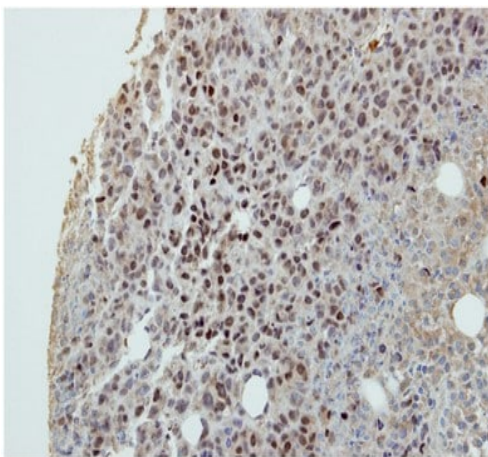
Predicted band size: 74 kDa

7.5% SDS PAGE



Immunocytochemistry/ Immunofluorescence - Anti-DIP13B/APPL2 antibody (ab154661)

Immunofluorescence analysis of paraformaldehyde-fixed HeLa, labeling DIP13B/APPL2 using ab154661 at 1/500 dilution. Lower panel co-stained with Hoechst 33342.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DIP13B/APPL2 antibody (ab154661)

Immunohistochemical analysis of paraffin-embedded HBL435 xenograft, labeling DIP13B/APPL2 using ab154661 at 1/100 dilution.

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