



# Anti-PHF21A (aa 331-430) polyclonal antibody (DPAB-DC2154)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

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| <b>Antigen Description</b> | The PHF21A gene encodes BHC80, a component of a BRAF35 (MIM 605535)/histone deacetylase (HDAC; see MIM 601241) complex (BHC) that mediates repression of neuron-specific genes through the cis-regulatory element known as repressor element-1 (RE1) or neural restrictive silencer (NRS) (Hakimi et al., 2002 [PubMed 12032298]).[supplied by OMIM, Nov 2010] |
| <b>Immunogen</b>           | PHF21A (NP_057705, 331 a.a. ~ 430 a.a) partial recombinant protein with GST tag. The sequence is<br>KQTVKSHTETDEKQTESRTITPPAAPKPKREENPQKLAFMVSLGLVTHDHLLEEQSKRQE<br>RKRRTTANPVYSGAVFEPERKKSAVTYLNSTMHPGTRKRA                                                                                                                                                   |
| <b>Source/Host</b>         | Mouse                                                                                                                                                                                                                                                                                                                                                          |
| <b>Species Reactivity</b>  | Human                                                                                                                                                                                                                                                                                                                                                          |
| <b>Conjugate</b>           | Unconjugated                                                                                                                                                                                                                                                                                                                                                   |
| <b>Applications</b>        | WB (Cell lysate), WB (Recombinant protein), ELISA,                                                                                                                                                                                                                                                                                                             |
| <b>Size</b>                | 50 µl                                                                                                                                                                                                                                                                                                                                                          |
| <b>Buffer</b>              | 50 % glycerol                                                                                                                                                                                                                                                                                                                                                  |
| <b>Preservative</b>        | None                                                                                                                                                                                                                                                                                                                                                           |
| <b>Storage</b>             | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                       |

## GENE INFORMATION

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|----------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | <a href="#">PHF21A PHD finger protein 21A [ Homo sapiens (human) ]</a>                                                   |
| <b>Official Symbol</b>     | PHF21A                                                                                                                   |
| <b>Synonyms</b>            | PHF21A; PHD finger protein 21A; BHC80; BM-006; BHC80a; BRAF35/HDAC2 complex (80 kDa); BRAF35-HDAC complex protein BHC80; |
| <b>Entrez Gene ID</b>      | <a href="#">51317</a>                                                                                                    |
| <b>Protein Refseq</b>      | <a href="#">NP_001095272</a>                                                                                             |
| <b>UniProt ID</b>          | <a href="#">Q96BD5</a>                                                                                                   |
| <b>Chromosome Location</b> | 11p11.2                                                                                                                  |
| <b>Pathway</b>             | Factors involved in megakaryocyte development and platelet production.                                                   |
| <b>Function</b>            | DNA binding; chromatin binding; zinc ion binding;                                                                        |