

DNAxPAb

Hard-to-Find  
Antibody

# ALKBH3 DNAxPab

Catalog # H00221120-W01P      Size 200 ug

## Specification

|                                |                                                                                                                                                                                                                                                                                                                  |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | Rabbit polyclonal antibody raised against a full-length human ALKBH3 DNA using DNAx™ Immune technology.                                                                                                                                                                                                          |
| <b>Technology</b>              | <a href="#">DNAx™ Immune</a>                                                                                                                                                                                                                                                                                     |
| <b>Immunogen</b>               | Full-length human DNA                                                                                                                                                                                                                                                                                            |
| <b>Sequence</b>                | MEEKRRRRARVQGAWAAPVKSQAIQPAATTAKSHLHQKPGQTWKNKEHHLSDREFVFKEPQQV<br>VRRAPEPRVIDREGVYEISLSPTGVSRLVCLYPGFVDVKEADWILEQLCQDVPWKQRTGIREDITYQ<br>QPRLTAWYGELPYTYSRITMEPNPHWHPVLRRLTKNRIEENTGHTFNSLLCNLYRNEKDSVDWHSD<br>DEPSLGRCPIIASLSFGATRTFEMRKKPPPEENGEYTYVERVKIPLDHGTLIMEGATQADWQHRV<br>PKEYHSREPRVNLTFRTVYPDPRGAPW |
| <b>Host</b>                    | Rabbit                                                                                                                                                                                                                                                                                                           |
| <b>Reactivity</b>              | Human                                                                                                                                                                                                                                                                                                            |
| <b>Purification</b>            | Protein A                                                                                                                                                                                                                                                                                                        |
| <b>Quality Control Testing</b> | Antibody reactive against mammalian transfected lysate.                                                                                                                                                                                                                                                          |
| <b>Storage Buffer</b>          | In 1x PBS, pH 7.4                                                                                                                                                                                                                                                                                                |
| <b>Storage Instruction</b>     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                         |

## Applications

- Western Blot (Transfected lysate)  
[Protocol Download](#)
- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

## Gene Info — ALKBH3

|                     |                                                                                                                                                                                                                                                                                                                                                         |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">221120</a>                                                                                                                                                                                                                                                                                                                                  |
| GeneBank Accession# | <a href="#">BC103812.1</a>                                                                                                                                                                                                                                                                                                                              |
| Protein Accession#  | <a href="#">AAI03813.1</a>                                                                                                                                                                                                                                                                                                                              |
| Gene Name           | ALKBH3                                                                                                                                                                                                                                                                                                                                                  |
| Gene Alias          | ABH3, DEPC-1, DEPC1, MGC118790, MGC118792, MGC118793, PCA1                                                                                                                                                                                                                                                                                              |
| Gene Description    | alkB, alkylation repair homolog 3 (E. coli)                                                                                                                                                                                                                                                                                                             |
| Omim ID             | <a href="#">610603</a>                                                                                                                                                                                                                                                                                                                                  |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                               |
| Gene Summary        | The Escherichia coli AlkB protein protects against the cytotoxicity of methylating agents by repair of the specific DNA lesions generated in single-stranded DNA. ALKBH2 (MIM 610602) and ALKBH3 are E. coli AlkB homologs that catalyze the removal of 1-methyladenine and 3-methylcytosine (Duncan et al., 2002 [PubMed 12486230]).[supplied by OMIM] |
| Other Designations  | alkB, alkylation repair homolog 3 prostate cancer antigen-1                                                                                                                                                                                                                                                                                             |

## Disease

- [Kidney Failure](#)