



Mouse anti-Human DNASE2B polyclonal antibody (DPAB-DC2644)

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

PRODUCT INFORMATION

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| Antigen Description | The protein encoded by this gene shares considerable sequence similarity to, and is structurally related to DNase II. The latter is a well characterized endonuclease that catalyzes DNA hydrolysis in the absence of divalent cations at acidic pH. Unlike DNase II which is ubiquitously expressed, expression of this gene product is restricted to the salivary gland and lungs. The gene has been localized to chromosome 1p22.3 adjacent (and in opposite orientation) to the uricase pseudogene. Two transcript variants encoding different isoforms have been described for this gene. |
| Immunogen | DNASE2B (NP_067056, 258 a.a. ~ 357 a.a) partial recombinant protein with GST tag. The sequence is HLLTETWQRKRQELPSNCSLPYHVYNIKAIKLSRHSYFSSYQDHAKWCISQKGTKNRWTC IGDLNRSPHQAFRSGGFICTQNWQIYQAFQGLVLYYESCK |
| Source/Host | Mouse |
| Species Reactivity | Human |
| Conjugate | Unconjugated |
| Applications | WB (Recombinant protein), ELISA, |
| Size | 50 µl |
| Buffer | 50 % glycerol |
| Preservative | None |
| Storage | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

GENE INFORMATION

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| Gene Name | DNASE2B deoxyribonuclease II beta [Homo sapiens (human)] |
| Official Symbol | DNASE2B |
| Synonyms | DNASE2B; deoxyribonuclease II beta; DLAD; deoxyribonuclease-2-beta; DNase II beta; endonuclease DLAD; lysosomal DNase II; DNase2-like acid DNase; DNase II-like acid DNase; |
| Entrez Gene ID | 58511 |
| Protein Refseq | NP_067056 |
| UniProt ID | Q66K39 |
| Chromosome Location | 1p22.3 |
| Pathway | Lysosome; |
| Function | deoxyribonuclease II activity; |