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# Rabbit Anti-PGBD3 antibody

SL9371R

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| **Product Name:** | PGBD3 |
| **Chinese Name:** | PGBD3蛋白抗体 |
| **Alias:** | PGBD 3; PiggyBac transposable element derived 3; PiggyBac transposable element derived protein 3; PGBD3_HUMAN. |
| **Organism Species:** | Rabbit |
| **Clonality:** | Polyclonal |
| **React Species:** | Human, |
| **Applications:** | ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:50-200（Paraffin sections need antigen repair）<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Molecular weight:** | 68kDa |
| **Cellular localization:** | The nucleus |
| **Form:** | Lyophilized or Liquid |
| **Concentration:** | 1mg/ml |
| **immunogen:** | KLH conjugated synthetic peptide derived from human PGBD3:401-500/593 |
| **Lsotype:** | IgG |
| **Purification:** | affinity purified by Protein A |
| **Storage Buffer:** | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol. |
| **Storage:** | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |
| **PubMed:** | PubMed |
| **Product Detail:** | PiggyBac transposable element derived 3, also known as PGBD3, encodes a 593 amino acid transposase and is a member of the piggyBac transposable element derived (PGBD) gene family, which includes several genes that are derived from piggyBac transposons. Initially characterized in the cabbacge looper moth, Trichoplusia ni, the PGBD family is conserved in a wide variety of species, including protozoa and primates. More specifically, while PGBD3 and PGBD4 are primate-specific genes, the |

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| | other three members of the PGBD family (namely PGBD1, PGBD2 and PGBD5) are conserved among a variety of vertebrates. PGBD3 appears to be novel, with no clear relationship to other transposases or other known protein families. However, the PGBD3 gene overlaps with the CSB gene on chromosome 10 and, with the CSB gene, plays a role in Cockayne syndrome, a rare disorder characterized by premature aging, microcephaly, photosensitivity and severe neurologic degeneration.<br><br>**SWISS:**<br>Q8N328<br><br>**Gene ID:**<br>267004<br><br>**Database links:**<br><br>Entrez Gene: 267004Human<br><br>SwissProt: Q8N328Human<br><br>Unigene: 654449Human<br><br>**Important Note:**<br>This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |