

DNAxPAb

Hard-to-Find  
Antibody

# SIRT4 DNAxPab

Catalog # H00023409-W01P

Size 200 ug

## Specification

**Product Description** Rabbit polyclonal antibody raised against a full-length human SIRT4 DNA using DNAx™ Immune technology.

**Technology** [DNAx™ Immune](#)

**Immunogen** Full-length human DNA

**Sequence** MKMSFALTFRSAKGRWIANPSQPCSKASIGLFVPASPPLDPEKVKELQRFITLSKRLLVMTGAGIS  
TESGIPDYRSEKVGGLYARTDRRPIQHGDVFVRSAPIRQRYWARNFVGWPQFSSHQPNPAHWALST  
WEKLGKLYWLVTQNVDAHHTKAGSRRLTELHGCMRDVLCCLDCGEQTPRGVLQERFQVLNPTWS  
AEAHLAPDGDVFLSEEQVRSFQVPTCVQCGLHLPDVFVFFGDTVNPDKVDFVHKRVKEADS  
LLVVGSSLQVYSGYRFLTAWEKKLPAILNIGPTRSDDLACLKLNRCGELLPLIDPC

**Host** Rabbit

**Reactivity** Human

**Purification** Protein A

**Quality Control Testing** Antibody reactive against mammalian transfected lysate.

**Storage Buffer** In 1x PBS, pH 7.4

**Storage Instruction** 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 — SIRT4

**Entrez GeneID** [23409](#)**GeneBank Accession#** [NM\\_012240.1](#)**Protein Accession#** [NP\\_036372.1](#)**Gene Name** SIRT4**Gene Alias** MGC130046, MGC130047, MGC57437, SIR2L4**Gene Description** sirtuin (silent mating type information regulation 2 homolog) 4 (S. cerevisiae)**Omim ID** [604482](#)**Gene Ontology** [Hyperlink](#)

**Gene Summary** This gene encodes a member of the sirtuin family of proteins, homologs to the yeast Sir2 protein. Members of the sirtuin family are characterized by a sirtuin core domain and grouped into four classes. The functions of human sirtuins have not yet been determined; however, yeast sirtuin proteins are known to regulate epigenetic gene silencing and suppress recombination of rDNA. Studies suggest that the human sirtuins may function as intracellular regulatory proteins with mono-ADP-ribosyltransferase activity. The protein encoded by this gene is included in class IV of the sirtuin family. [provided by RefSeq]

**Other Designations** sir2-like 4|sirtuin 4|sirtuin type 4

## Disease

- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)