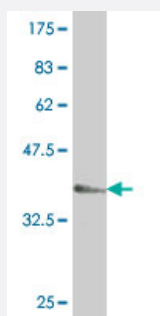


# PAX3 monoclonal antibody (M05), clone 4F4

Catalog # H00005077-M05

Size 100 ug

## Applications



Western Blot detection against Immunogen (37.88 KDa) .

## Specification

|                                      |                                                                                                                   |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>           | Mouse monoclonal antibody raised against a partial recombinant PAX3.                                              |
| <b>Immunogen</b>                     | PAX3 (NP_852122, 307 a.a. ~ 414 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| <b>Sequence</b>                      | LSETSYQPTSIPQAVSDPSSTVHRPQLPPSTVHQSTIPSNPDSSSAYCLPSTRHGFSSYTDSFVP<br>PSGPSNPMNPTIGNGLSPQVMGLLTNHGGVPHQPQTDYALSP   |
| <b>Host</b>                          | Mouse                                                                                                             |
| <b>Reactivity</b>                    | Human                                                                                                             |
| <b>Interspecies Antigen Sequence</b> | Mouse (99); Rat (98)                                                                                              |
| <b>Isotype</b>                       | IgG2b Kappa                                                                                                       |
| <b>Quality Control Testing</b>       | Antibody Reactive Against Recombinant Protein.<br>Western Blot detection against Immunogen (37.88 KDa) .          |
| <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 (Recombinant protein)

[Protocol Download](#)

- ELISA

## Gene Info — PAX3

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">5077</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| GeneBank Accession# | <a href="#">NM_181457</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Protein Accession#  | <a href="#">NP_852122</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Gene Name           | PAX3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Gene Alias          | CDHS, HUP2, MGC120381, MGC120382, MGC120383, MGC120384, MGC134778, WS1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Gene Description    | paired box 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Omim ID             | <a href="#">122880</a> <a href="#">148820</a> <a href="#">193500</a> <a href="#">268220</a> <a href="#">606597</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Gene Summary        | <p>This gene is a member of the paired box (PAX) family of transcription factors. Members of the PAX family typically contain a paired box domain and a paired-type homeodomain. These genes play critical roles during fetal development. Mutations in paired box gene 3 are associated with Waardenburg syndrome, craniofacial-deafness-hand syndrome, and alveolar rhabdomyosarcoma. The translocation t(2;13)(q35;q14), which represents a fusion between PAX3 and the forkhead gene, is a frequent finding in alveolar rhabdomyosarcoma. Alternative splicing results in transcripts encoding isoforms with different C-termini. [provided by RefSeq]</p> |
| Other Designations  | paired box homeotic gene 3 paired domain gene 3 paired domain gene HuP2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

## Disease

- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)

- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Malignant melanoma](#)
- [Melanoma](#)
- [Retinal Diseases](#)
- [Skin Neoplasms](#)
- [Spinal Dysraphism](#)
- [Waardenburg syndrome](#)