



# Anti-IRS4 (aa 850-950) polyclonal antibody (DPAB-DC3497)

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

## PRODUCT INFORMATION

|                            |                                                                                                                                                                                                                                                                                                                                                                                                |
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| <b>Antigen Description</b> | IRS4 encodes the insulin receptor substrate 4, a cytoplasmic protein that contains many potential tyrosine and serine/threonine phosphorylation sites. Tyrosine-phosphorylated IRS4 protein has been shown to associate with cytoplasmic signalling molecules that contain SH2 domains. The IRS4 protein is phosphorylated by the insulin receptor tyrosine kinase upon receptor stimulation.. |
| <b>Immunogen</b>           | IRS4 (NP_003595, 850 a.a. ~ 950 a.a) partial recombinant protein with GST tag. The sequence is<br>DPKDAASKPSGEGSFSKPGDGGSPSKPSDHEPPKNKAKRPNRLSFITKGYKIKPKPQKPT<br>HEQREADSSSDYVNMDFTKRESNTPAPSTQGLPDSWGIIAE                                                                                                                                                                                    |
| <b>Source/Host</b>         | Mouse                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Species Reactivity</b>  | Human                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Conjugate</b>           | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Applications</b>        | WB (Recombinant protein), ELISA,                                                                                                                                                                                                                                                                                                                                                               |
| <b>Size</b>                | 50 µl                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Buffer</b>              | 50 % glycerol                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Preservative</b>        | None                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Storage</b>             | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                                                       |

## GENE INFORMATION

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|----------------------------|----------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | <a href="#">IRS4 insulin receptor substrate 4 [ Homo sapiens (human) ]</a>                                           |
| <b>Official Symbol</b>     | IRS4                                                                                                                 |
| <b>Synonyms</b>            | IRS4; insulin receptor substrate 4; IRS-4; PY160; pp160; phosphoprotein of 160 kDa; 160 kDa phosphotyrosine protein; |
| <b>Entrez Gene ID</b>      | <a href="#">8471</a>                                                                                                 |
| <b>Protein Refseq</b>      | <a href="#">NP_003595</a>                                                                                            |
| <b>UniProt ID</b>          | <a href="#">O14654</a>                                                                                               |
| <b>Chromosome Location</b> | Xq22.3                                                                                                               |
| <b>Pathway</b>             | AMPK signaling pathway; Adipocytokine signaling pathway; Adipogenesis; IGF1R signaling cascade                       |
| <b>Function</b>            | SH3/SH2 adaptor activity; insulin receptor binding; protein binding; signal transducer activity                      |