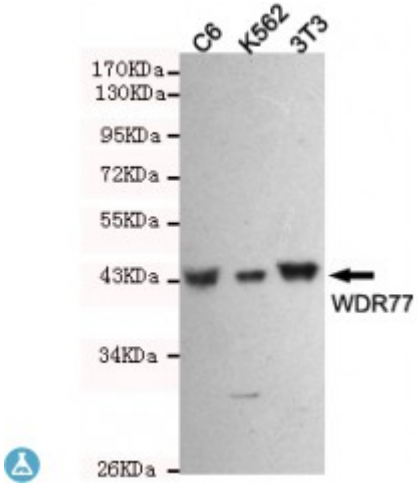
# Anti-WDR77 antibody

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| **Description** | Mouse monoclonal to WDR77. |

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| **Model** | STJ99206 |
| **Host** | Mouse |
| **Reactivity** | Human, Mouse, Rat |
| **Applications** | ELISA, WB |
| **Immunogen** | Purified recombinant human WDR77 protein fragments expressed in E.coli. |
| **Gene ID** | 79084 |
| **Gene Symbol** | WDR77 |
| **Dilution range** | WB 1:500-2000ELISA 1:10000-20000 |
| **Specificity** | This antibody detects endogenous levels of WDR77 and does not cross-react with related proteins. |
| **Tissue Specificity** | Highly expressed in heart, skeletal muscle, spleen, testis, uterus, prostate and thymus. In testis, expressed in germ cells and Leydig cells, but not in peritubular myocytes, nor in Sertoli cells. Expressed in prostate cancers, in seminomas and in Leydig cell tumors. |
| **Purification** | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Clone ID** | 8A10-C10-E8 |
| **Note** | For Research Use Only (RUO). |
| **Protein Name** | Methylosome protein 50 MEP-50 Androgen receptor cofactor p44 WD repeat-containing protein 77 p44/Mep50 |

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| **Molecular Weight** | 42kDa |
| **Clonality** | Monoclonal |
| **Conjugation** | Unconjugated |
| **Isotype** | IgG1 |
| **Formulation** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| **Concentration** | 1 mg/ml |
| **Storage Instruction** | Store at -20°C, and avoid repeat freeze-thaw cycles. |
| **Database Links** | HGNC:29652OMIM:611734 |
| **Alternative Names** | Methylosome protein 50 MEP-50 Androgen receptor cofactor p44 WD repeat-containing protein 77 p44/Mep50 |
| **Function** | Non-catalytic component of the 20S PRMT5-containing methyltransferase complex, which modifies specific arginines to dimethylarginines in several spliceosomal Sm proteins and histones. This modification targets Sm proteins to the survival of motor neurons (SMN) complex for assembly into small nuclear ribonucleoprotein core particles. Might play a role in transcription regulation. The 20S PRMT5-containing methyltransferase complex also methylates the Piwi proteins (PIWIL1, PIWIL2 and PIWIL4), methylation of Piwi proteins being required for the interaction with Tudor domain-containing proteins and subsequent localization to the meiotic nuage. |
| **Cellular Localization** | Nucleus. Cytoplasm. Nuclear in Leydig cells and cytoplasmic in germ cells during fetal testicular development. In adult testis, predominantly nuclear. Subcellular location varies from nuclear to cytoplasmic in various tumors. |