



# WDR77 mouse mAb

<b>Catalog No</b>	BYab-04482
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB;ICC
<b>Gene Name</b>	mep50/wdr77
<b>Protein Name</b>	
<b>Immunogen</b>	Purified recombinant human WDR77 protein fragments expressed in E.coli.
<b>Specificity</b>	This antibody detects endogenous levels of WDR77 and does not cross-react with related proteins.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse
<b>Purification</b>	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	wb dilution 1:1000 icc dilution 1:100
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	2610312E17Rik;Androgen receptor cofactor p44;C79984;HKMT1069;MEP 50;MEP-50;MEP50; MEP50_HUMAN;Methylosome protein 50;MGC2722;Nbla10071;p44;p44/Mep50;RGD1310479;RP11 552M11.3;WD repeat containing protein 77;WD repeat domain 77;WD repeat-containing protein 77;WDR77.
<b>Observed Band</b>	42kD
<b>Cell Pathway</b>	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 (PubMed:17437848). .
<b>Tissue Specificity</b>	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.
<b>Function</b>	developmental stage:Expressed in Leydig cells during fetal testicular development, especially during the second semester. Germ cells expression is

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detected as early as 10 weeks of gestation.,function:Component of the 20S PRMT5-containing methyltransferase complex, which modifies specific arginines to dimethylarginines in several spliceosomal Sm proteins. 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.,similarity:Contains 5 WD repeats.,subcellular location: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.,subunit:Component of the methylosome, a 20S complex containing at least PRMT5, CLNS1

**Background**

The protein encoded by this gene is an androgen receptor coactivator that forms a complex with protein arginine methyltransferase 5, which modifies specific arginines to dimethylarginines in several spliceosomal Sm proteins. The encoded protein may be involved in the early stages of prostate cancer, with most of the protein being nuclear-localized in benign cells but cytoplasmic in cancer cells. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2015],

**matters needing attention**

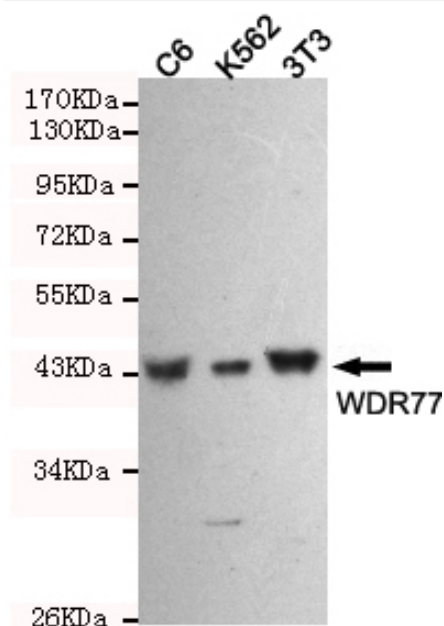
Avoid repeated freezing and thawing!

**Usage suggestions**

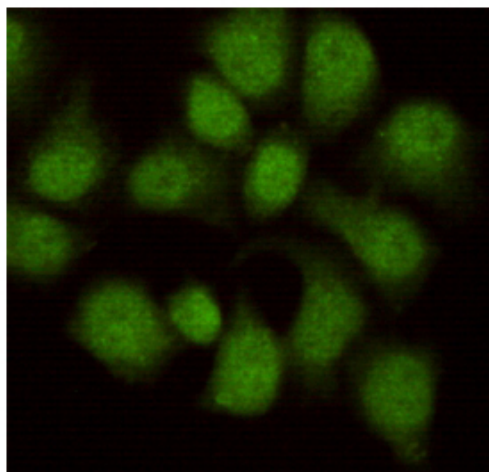
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



## Products Images



Western blot detection of WDR77 in C6,3T3 and K562 cell lysates using WDR77 mouse mAb (1:1000 diluted). Predicted band size:42KDa. Observed band size:42KDa.



Immunocytochemistry staining of HeLa cells fixed in 1% Paraformaldehyde and then permeabilized in 0.1% Triton X-100, next using WDR77 mouse mAb (dilution 1:100).