

Anti-WDR77 Antibody (8A10-C10-E8)
Mouse Monoclonal Antibody
Catalog # ABV12071**Specification**

Anti-WDR77 Antibody (8A10-C10-E8) - Product Information

Application	WB, ICC
Primary Accession	O9BQA1
Reactivity	Human, Mouse, Rat
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1

Anti-WDR77 Antibody (8A10-C10-E8) - Additional Information**Gene ID** 79084**Application & Usage** WB; C6, 3T3 and K562 cell lysates, IF: HeLa cells**Other Names**

Methylosome protein 50, MEP-50, Androgen receptor cofactor p44, WD repeat-containing protein 77, p44/Mep50, MEP50, WD45

Target/Specificity

Methylosome protein 50

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

In PBS (pH 7.4) containing with 0.02% sodium azide and 50% glycerol

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

Anti-WDR77 Antibody (8A10-C10-E8) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-WDR77 Antibody (8A10-C10-E8) - Protein Information

Name WDR77 ([HGNC:29652](#))

Function

Non-catalytic component of the methylosome complex, composed of PRMT5, WDR77 and CLNS1A, which modifies specific arginines to dimethylarginines in several spliceosomal Sm proteins and histones (PubMed:11756452). 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 methylosome 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 (PubMed:23071334).

Cellular Location

Nucleus. Cytoplasm. Note=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).

Tissue Location

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.

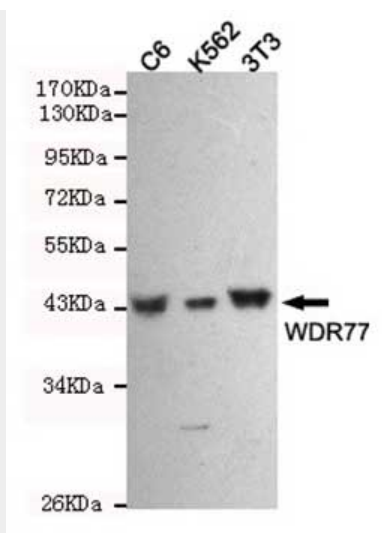
Anti-WDR77 Antibody (8A10-C10-E8) - Protocols

Provided below are standard protocols that you may find useful for product applications.

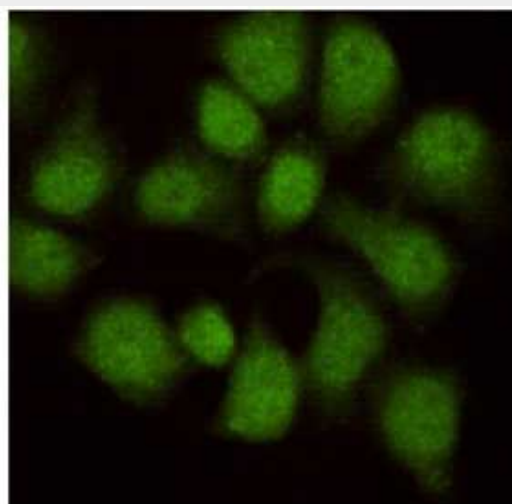
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-WDR77 Antibody (8A10-C10-E8) - Images





Western blot detection of WDR77 in C6, 3T3 and K562 cell lysates using WDR77 Antibody



Immunocytochemistry staining of HeLa cells fixed with 4% Paraformaldehyde and using anti-BiP/GRP78 (C-terminus) Antibody

Anti-WDR77 Antibody (8A10-C10-E8) - Background

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.