

## ARG54144 anti-WDR77 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody recognizes MEP50/WDR77
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Target Name	WDR77
Species	Human
Immunogen	Purified recombinant human WDR77 protein fragments expressed in E.coli.
Conjugation	Un-conjugated
Alternate Names	Nbla10071; p44/Mep50; WD repeat-containing protein 77; MEP50; HKMT1069; Methylosome protein 50; p44; MEP-50; Androgen receptor cofactor p44

### Application Instructions

Application table	Application	Dilution
	ICC/IF	1:100
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	42 kDa	

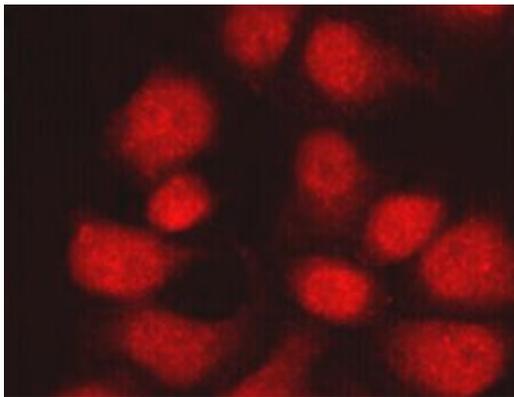
### Properties

Form	Liquid
Purification	Affinity purified
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 50% Glycerol
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Concentration	1.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

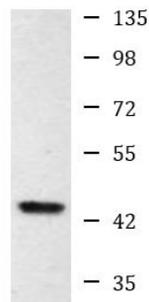
Gene Symbol	WDR77
Gene Full Name	WD repeat domain 77
Background	Non-catalytic component of the 20S PRMT5-containing methyltransferase complex, which modifies specific arginines to dimethylarginines in several spliceosomal Sm proteins and histones. This modification targets Sm proteins to the survival 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.
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. [UniProt]
Research Area	Gene Regulation antibody; Signaling Transduction antibody
Calculated Mw	37 kDa
Cellular Localization	Nucleus. Cytoplasm.

## Images



ARG54144 anti-WDR77 antibody ICC/IF image

Immunofluorescence: HeLa cells fixed in 1% Paraformaldehyde, permeabilized in 0.1% Triton X-100 and stained with ARG54144 anti-WDR77 antibody at 1:100 dilution.



K562

ARG54144 anti-WDR77 antibody WB image

Western blot: K562 cell lysate stained with ARG54144 anti-WDR77 antibody at 1:1000 dilution.