

## Product datasheet for **TA344238**

### WDR77 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-WDR77 antibody: synthetic peptide directed towards the N terminal of human WDR77. Synthetic peptide located within the following region: MRKETPPPLVPPAAREWNLPPNAPACMERQLEAARYRSDGALLLGASSLS
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	38 kDa
Gene Name:	WD repeat domain 77
Database Link:	<a href="#">NP_077007</a> <a href="#">Entrez Gene 79084 Human</a> <a href="#">Q9BQA1</a>



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**Background:**

WDR77 is the non-catalytic 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. WDR77 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.

**Synonyms:**

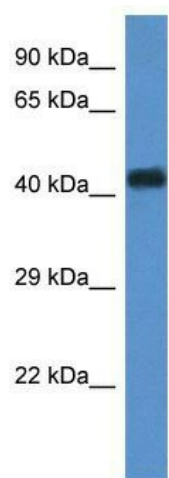
HKMT1069; MEP-50; MEP50; Mep50; Nbla10071; p44

**Note:**

Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Human: 100%; Bovine: 100%; Guinea pig: 100%; Rat: 93%; Mouse: 93%; Rabbit: 93%

**Protein Families:**

Stem cell - Pluripotency

**Product images:**

WB Suggested Anti-WDR77 Antibody Titration: 0.2-1 ug/ml; Positive Control: 293T cell lysate  
WDR77 is strongly supported by BioGPS gene expression data to be expressed in Human HEK293T cells