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WDR77 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP59053

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q9BQA1
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	36724

Additional Information

Gene ID	79084
Other Names	Methylosome protein 50, MEP-50, Androgen receptor cofactor p44, WD repeat-containing protein 77, p44/Mep50, WDR77, MEP50, WD45
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.