

Datasheet for ABIN6244226  
**anti-WDR82 antibody (N-Term)**

## 3 Images

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## Overview

Quantity:	400 µL
Target:	WDR82
Binding Specificity:	AA 50-85, N-Term
Reactivity:	Human, Mouse, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This WDR82 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This WDR82 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 50-85 amino acids from the N-terminal region of human WDR82.
Clone:	RB51425
Isotype:	Ig Fraction
Predicted Reactivity:	X, C
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	WDR82
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## Target Details

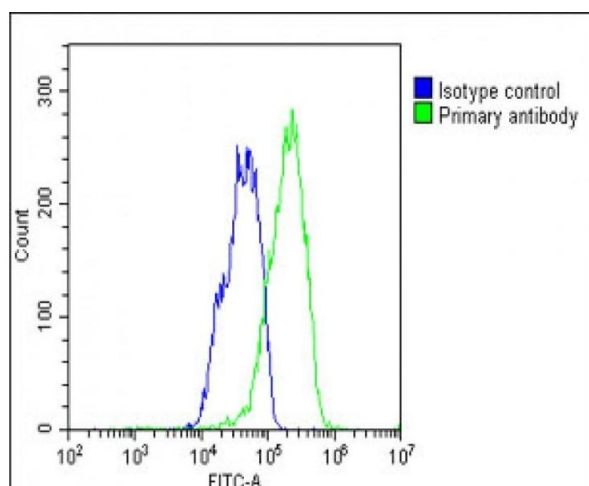
Alternative Name:	WDR82 ( <a href="#">WDR82 Products</a> )
Background:	Regulatory component of the SET1 complex implicated in the tethering of this complex to transcriptional start sites of active genes. Facilitates histone H3 'Lys-4' methylation via recruitment of the SETD1A or SETD1B to the 'Ser-5' phosphorylated C-terminal domain (CTD) of RNA polymerase II large subunit (POLR2A). Component of PTW/PP1 phosphatase complex, which plays a role in the control of chromatin structure and cell cycle progression during the transition from mitosis into interphase.
Molecular Weight:	35079
UniProt:	<a href="#">Q6UXN9</a>

## Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:250. FC: 1:25
Restrictions:	For Research Use only

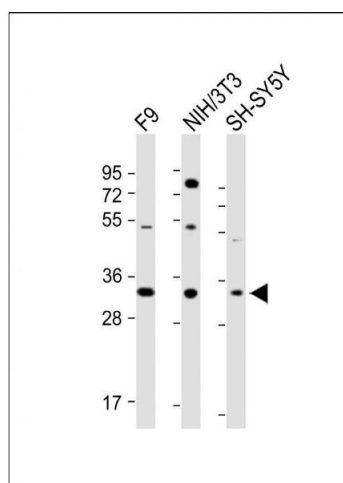
## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months



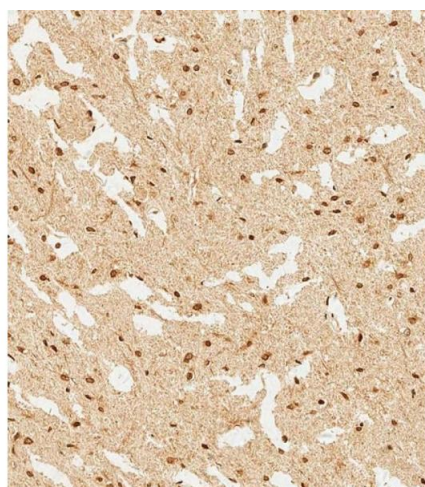
### Flow Cytometry

**Image 1.** Overlay histogram showing HepG2 cells stained with (ABIN6244226 and ABIN6577745) (green line). The cells were fixed with 2 % paraformaldehyde (10 min) and then permeabilized with 90 % methanol for 10 min. The cells were then incubated in 2 % bovine serum albumin to block non-specific protein-protein interactions followed by the antibody ((ABIN6244226 and ABIN6577745), 1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Goat Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(1583138) at 1/200 dilution for 40 min at 37 °C. Isotype control antibody (blue line) was rabbit IgG1 (1 µg/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >10,000 events was performed.



### Western Blotting

**Image 2.** All lanes : Anti-WDR82 Antibody (N-term) at 1:1000 dilution Lane 1: F9 whole cell lysate Lane 2: NIH/3T3 whole cell lysate Lane 3: SH-SY5Y whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 35 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** (ABIN6244226 and ABIN6577745) staining WDR82 in human brain tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Samples were incubated with primary antibody (1/250) for 1 hours at room temperature. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.