10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

WDR82 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP4812a

Specification

WDR82 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q6UXN9

WDR82 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 80335

Other Names
WD repeat-containing protein 82, Protein TMEM113, Swd2, WDR82, TMEM113, WDR82A

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

WDR82 Antibody (N-term) Blocking Peptide - Protein Information

Name WDR82 {ECO:0000303|PubMed:17998332, ECO:0000312|HGNC:HGNC:28826}

Function
Regulatory component of the SET1 complex implicated in the tethering of this complex to transcriptional start sites of active genes (PubMed:17998332, PubMed:18838538, PubMed:20516061). Facilitates histone H3 'Lys-4' methylation (H3K4me) via recruitment of the SETD1A or SETD1B to the 'Ser-5' phosphorylated C-terminal domain (CTD) of RNA polymerase II large subunit (POLR2A) (PubMed:17998332, PubMed:18838538). 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 (PubMed:20516061). Together with ZC3H4, but independently of the SET1 complex, part of a transcription termination checkpoint that promotes transcription termination of long non-coding RNAs (lncRNAs) (PubMed:33913806, PubMed:33767452). The transcription termination checkpoint is activated by the inefficiently spliced first exon of lncRNAs and promotes transcription termination of lncRNAs and their subsequent degradation by the

exosome (PubMed:33767452).

Cellular Location
Nucleus. Chromosome {ECO:0000250|UniProtKB:Q8BFQ4}. Note=Associates with chromatin (PubMed:20516061). Recruited at sites of high RNA polymerase II occupancy (By similarity). {ECO:0000250|UniProtKB:Q8BFQ4, ECO:0000269|PubMed:20516061}

WDR82 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

WDR82 Antibody (N-term) Blocking Peptide - Images

WDR82 Antibody (N-term) Blocking Peptide - Background

WDR82 is a component of the mammalian SET1A (MIM 611052)/SET1B (MIM 611055) histone H3-Lys4 methyltransferase complexes.

WDR82 Antibody (N-term) Blocking Peptide - References

Wu, M., et al. Mol. Cell. Biol. 28(24):7337-7344(2008)Lee, J.H., et al. Mol. Cell. Biol. 28(2):609-618(2008)Higa, L.A., et al. Nat. Cell Biol. 8(11):1277-1283(2006)