Fusion CREBBP-KMT2A and Interaction 3emh: Chain B in leading part of fusion product

WDR5: 1-32 3emh Chain A KMT2A: 1-3763 WDR5: 1-32 3emh Chain A KMT2A: 1-3763 WDR5: 33-332 3emh Chain B KMT2A: 3764-3769 WDR5: 33-332 3emh Chain B KMT2A: 3764-3769

WDR5: 333-334

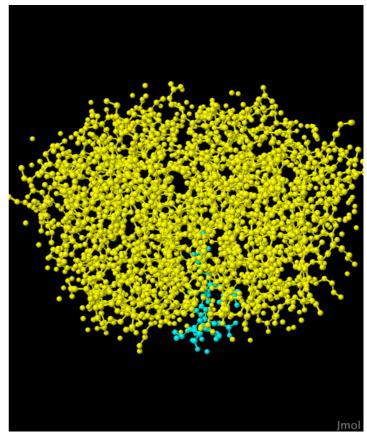
KMT2A: 3770-3969

Interactome3D

Interaction Complex: 3emh

WDR5: 333-334

- WDR5
 - o Chain: A
 - o Length: 1 334
 - Included in Interaction: 33 332
- KMT2A
 - o Chain: B
 - o Length: 1 3969
 - Included in Interaction: 3764 3769



<u>Pfam</u> <u>COSMIC</u>

- zf-CXXC: 1147-1194
- PHD: 1481-1533
- PHD: 1568-1627
- zf-HC5HC2H: 1900-1978
- FYRN: 2024-2071FYRC: 3666-3748
- SET: 3840-3945
- **PDBe**
- Reaction: S-adenosyl-L-methionine + L-lysine-[histone] = S-adenosyl-L-homocysteine + N(6)-methyl-L-lysine-[histone].
- Author Description: Structural basis of WDR5-MLL interaction
- Citation: http://europepmc.org/abstract/MED/18840606

Mutation: COSF1875

- First Gene in Fusion: KMT2A
 - o genomic breakpoint: 4332
 - AA breakpoint: 1444
- Second Gene in Fusion: CREBBP
 - o genomic breakpoint: 1609
 - AA breakpoint: 536

ReactomeFIFusion Generated Report

KMT2A: 3770-3969