

(Mouse) Wdr5 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20952a

Specification

(Mouse) Wdr5 Antibody - Product Information

Application	WB,E
Primary Accession	P61965
Other Accession	Q498M4 , P61964
Reactivity	Human, Mouse
Predicted	Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	36588

(Mouse) Wdr5 Antibody - Additional Information

Gene ID 140858

Other Names

WD repeat-containing protein 5, BMP2-induced 3-kb gene protein, WD repeat-containing protein BIG-3, Wdr5, Big, Big3

Target/Specificity

This Mouse Wdr5 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between amino acids from the region of mouse Wdr5.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

(Mouse) Wdr5 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

(Mouse) Wdr5 Antibody - Protein Information

Name Wdr5

Synonyms Big, Big3

Function Contributes to histone modification (By similarity). May position the N-terminus of histone H3 for efficient trimethylation at 'Lys-4' (By similarity). As part of the MLL1/MLL complex it is involved in methylation and dimethylation at 'Lys-4' of histone H3 (By similarity). H3 'Lys-4' methylation represents a specific tag for epigenetic transcriptional activation (By similarity). As part of the NSL complex it may be involved in acetylation of nucleosomal histone H4 on several lysine residues (By similarity). May regulate osteoblasts differentiation (PubMed:[11551928](#)). In association with RBBP5 and ASH2L, stimulates the histone methyltransferase activities of KMT2A, KMT2B, KMT2C, KMT2D, SETD1A and SETD1B (By similarity).

Cellular Location

Nucleus.

Tissue Location

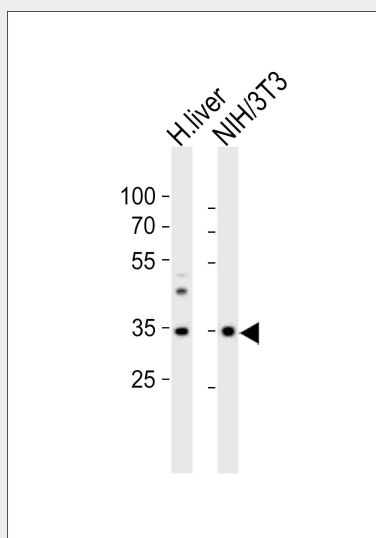
Expressed in liver (at protein level). Detected in brain, testis and kidney.

(Mouse) Wdr5 Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

(Mouse) Wdr5 Antibody - Images



Western blot analysis of lysates from human liver tissue and mouse NIH/3T3 cell line (from left to right), using (Mouse) Wdr5 Antibody (Cat. #AP20952a). AP20952a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.

(Mouse) Wdr5 Antibody - Background

Contributes to histone modification. May position the N- terminus of histone H3 for efficient trimethylation at 'Lys-4'. As part of the MLL1/MLL complex it is involved in methylation and dimethylation at 'Lys-4' of histone H3. H3 'Lys-4' methylation represents a specific tag for epigenetic transcriptional activation. As part of the NSL complex it may be involved in acetylation of nucleosomal histone H4 on several lysine residues. May regulate osteoblasts differentiation (By similarity).

(Mouse) Wdr5 Antibody - References

Gori F.,et al.J. Biol. Chem. 276:46515-46522(2001).
Carninci P.,et al.Science 309:1559-1563(2005).
Jiang H.,et al.Cell 144:513-525(2011).
Yang Y.J.,et al.Cell 151:1097-1112(2012).
Diao Y.,et al.Cell Stem Cell 11:231-241(2012).