

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human and mouse WDR5 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human WDR5 Met1-Lys120 Accession # P61964
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

WDR5 (WD repeat-containing protein 5; also BMP2-induced 3 kb gene protein/BIG3) is a nuclear, 36-40 kDa monomeric member of the WD family of repeat proteins. It is known to be expressed in osteoblasts, osteocytes and chondrocytes, among other cells, and appears to serve as a structural organizer for the histone methyltransferase MLL1 complex. This complex methylates histone H3, and within this complex, WDR5 binds to mono- or dimethylated histone H3 and serves as an anchor for complex subunits RbBP5, Ash2L and MLL1. Human WDR5 is 334 amino acids (aa) in length. It contains seven WD domains (aa 43-333) that likely participate in protein-protein interactions, plus a phosphorylation site at Ser267. There are three isoform variants for WDR5. Human and mouse WDR5 are absolutely identical in aa sequence.

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