

WSTF Antibody



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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W, IP	H M R Mk	Endogenous	170, 185	Rabbit	#Q9UIG0	9031

Product Usage Information

Application

Western Blotting
Immunoprecipitation

Dilution

1:1000
1:50

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at -20°C. Do not aliquot the antibody.

Specificity/Sensitivity

WSTF Antibody detects endogenous levels of total WSTF protein. The antibody does not cross-react with other related transcription factors.

Source / Purification

Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to the sequence of human WSTF (WBSCR9). Antibodies are purified by protein A and peptide affinity chromatography.

Background

The human WSTF gene is located within the common Williams Syndrome (WS) deletion area at chromosome 7q11.23. Several WSTF gene products have been detected with little difference in length of polypeptides (1-3). Functional motifs identified by sequence-homology searches include a PHD-type zinc finger motif followed by a bromodomain. Both motifs are found in many transcription factors, suggesting that WSTF may function as a transcription factor. A *Drosophila* gene (*acf1*) was cloned, which encodes two forms of Acf1 proteins with molecular weight 170 kDa and 185 kDa, respectively (4). It was demonstrated that Acf1 is structurally related to the human WSTF gene. Acf1 forms a complex with another protein, ISWI, and functions in the ATP-dependent catalysis of chromatin assembly (4).

Background References

1. Peoples, R.J. et al. (1998) *Cytogenet. Cell Genet.* 82, 238-246.
2. Lu, X. et al. (1998) *Genomics* 54, 241-249.
3. Jones, M.H. et al. (2000) *Genomics* 63, 40-45.
4. Ito, T. et al. (2000) *Genes Dev.* 13, 1529-1539.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting **IP:** Immunoprecipitation

Cross-Reactivity Key

H: Human **M:** Mouse **R:** Rat **Mk:** Monkey

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