

Store at
-20C
#13150

TAF15 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	H M R Mk	Endogenous	77	Rabbit	#Q92804	8148

Product Usage Information

Application

Western Blotting

Dilution

1:1000

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

TAF15 Antibody recognizes endogenous levels of total TAF15 protein.

Species predicted to react based on 100% sequence homology

Hamster, Bovine, Dog, Pig, Horse

Source / Purification

Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human TAF15 protein. Antibodies are purified by protein A and peptide affinity chromatography.

Background

TBP binding protein associated factor 15 (TAF15) is a member of the multifunctional FET (FUS, EWS, and TAF15) family of proteins that bind both DNA and RNA and may be important for transcriptional regulation and RNA processing (1,2). Research studies show that FET family proteins, including TAF15, can be found as oncogenic fusion proteins with transcription factors in a variety of cancers. The fusion protein consists of the FET protein amino-terminal transcription activation domain and the transcription factor DNA binding domain, creating an aberrant transcription factor with potent transactivation potential (1-3). TAF15 can be part of a subset of the transcription factor IID (TFIID) complex, indicating that it may form a transcription pre-initiation complex at active genes, even if it is not considered a canonical TAF (4,5). Additional studies suggest roles for TAF15 in RNA splicing through its association with U1 small nuclear RNA and in regulation of cell cycle regulatory gene expression through a mechanism involving miRNA biosynthesis (6,7).

Background References

1. Law, W.J. et al. (2006) *Brief Funct Genomic Proteomic* 5, 8-14.
2. Kovar, H. (2011) *Sarcoma* 2011, 837474.
3. Bertolotti, A. et al. (1999) *Oncogene* 18, 8000-10.
4. Bertolotti, A. et al. (1996) *EMBO J* 15, 5022-31.
5. Bertolotti, A. et al. (1998) *Mol Cell Biol* 18, 1489-97.
6. Jobert, L. et al. (2009) *EMBO Rep* 10, 494-500.
7. Ballarino, M. et al. (2013) *Oncogene* 32, 4646-55.

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

Cross-Reactivity Key

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

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