

Store at
-20C
#28409**TAF15 (D8V6Q) Rabbit mAb**

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Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W, IP, eCLIP	H M R Mk	Endogenous	77	Rabbit IgG	#Q92804	8148

Product Usage Information**Application**

Western Blotting
Immunoprecipitation
eCLIP

Dilution

1:1000
1:100
1:200

For more information about the RBP-eCLIP service please visit Eclipsebio.

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.

Specificity/Sensitivity

TAF15 (D8V6Q) Rabbit mAb recognizes endogenous levels of total TAF15 protein.

Source / Purification

Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Arg584 of human TAF15 protein.

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 **IP:** Immunoprecipitation **eCLIP:** eCLIP

Cross-Reactivity Key

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

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