



Rat Anti-TAF15 monoclonal antibody, clone 23G22 (CABT-RM135)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Detects human TATA-binding protein-associated factor 2N (TAF15). It targets an epitope with in 20 amino acids from the C-terminal half.
Target	TAF15
Immunogen	Ovalbumin-conjugated linear peptide corresponding to 20 amino acids from the C-terminal half of human TATA-binding protein-associated factor 2N (TAF15).
Isotype	IgG2c, κ
Source/Host	Rat
Species Reactivity	Human
Clone	23G22
Purification	Protein G purified
Conjugate	unconjugated
Applications	ELISA, WB
Molecular Weight	~68 kDa observed; 61.83 kDa calculated. Uncharacterized bands may be observed in some lysate(s).
Format	Liquid
Size	100 µg
Buffer	0.1 M Tris-Glycine (pH 7.4), 150 mM NaCl

Preservative	0.05% sodium azide
Storage	Stable for 1 year at 2-8°C from date of receipt.

BACKGROUND

Introduction	TATA-binding protein-associated factor 2N is encoded by the TAF15 gene in human. TAF15 is a ubiquitously distributed protein that is found in all fetal and adult tissues. It is a RNA and ssDNA-binding protein that plays specific roles during transcription initiation at distinct promoters and can enter the preinitiation complex together with the RNA polymerase II (Pol II). TAF15 shuttles between the nucleus and the cytoplasm. It can be dimethylated by protein arginine N-methyltransferase 1 (PRMT1) at Arg206 to asymmetric dimethylarginine. This methylation favors its nuclear localization and it also considered to be essential for its gene regulatory function. TAF15 contains an N-terminal activation domain, an RNA recognition motif (RRM) and many Arg-Gly-Gly (RGG) repeats at its C-terminal end. Its N-terminus serves as an essential transforming domain in the fusion oncoprotein created by chromosomal translocation in certain human chondrosarcomas. Depletion of TAF15 has a growth-inhibitory effect and results in increased apoptosis.
Keywords	TAF15; TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 68kDa; TAF2N, TATA box binding protein (TBP) associated factor, RNA polymerase II, N, 68kD (RNA binding protein 56); TATA-binding protein-associated factor 2N; hTAFII68; Npl3; RBP56; RNA binding protein 56; TAF; TAF2N

GENE INFORMATION

Entrez Gene ID	8148
UniProt ID	Q92804