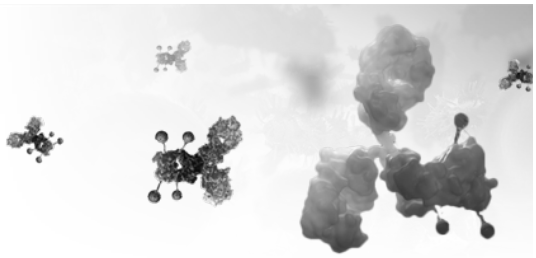

Mouse anti-Human TAFII135 monoclonal antibody, clone 33/UBG[JJ]246 (CABT-B9333)

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

PRODUCT INFORMATION

Immunogen	Human TAF[II]135 aa. 454-565
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human, Mouse
Clone	33/UBG[JJ]246
Purification	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
Conjugate	Unconjugated
Applications	WB; IF
Format	Liquid
Concentration	250 µg/ml
Size	50 µg
Buffer	Aqueous buffered solution containing BSA, glycerol, and ≤0.09% sodium azide.
Storage	Store undiluted at -20°C.

BACKGROUND

Introduction	Tightly associated factors (TAFs) play an essential role in transcriptional activation through their

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

	interaction with a variety of activators. TAF[II]135 (a.k.a. TAF[II]130) is a human homologue of Drosophila TAF[II]110, the first TAF shown to have coactivator activity. TAF[II]135 contains multiple glutamine-rich regions, as well as a coactivator domain (CAD). The glutamine-rich regions of TAF[II]135 facilitate interaction with Sp1 and CREB, which leads to enhancement of both Sp1- and CREB-mediated transcription. In addition, TAF[II]135 can potentiate transcriptional stimulation by AF-2 of the retinoic acid, thyroid hormone, and vitamine D3 receptors. However, TAF[II]135 does not interact with the AF-2s of the estrogen and retinoid X receptors. Interestingly, TAF[II]135 enhancement of CREB transcriptional activity may be disrupted by expanded polyglutamine (CAG) repeats found in at least eight different neurodegenerative disorders. Thus, TAF[II]135 may have important coactivator activities in many different transcription-regulating cell signaling pathways, and interference of TAF[II]135 activity by CAG repeats may be a common mechanism of specific types of neuropathologies.
Keywords	TAF4; TAF4 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 135kDa; TAF2C; TAF4A; TAF2C1; TAFII130; TAFII135; transcription initiation factor TFIID subunit 4; TAFII-130; TAFII-135

GENE INFORMATION

Entrez Gene ID	6874
UniProt ID	O00268

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221