

TEF1 Polyclonal Antibody

Catalog NumberPA5-38598

Product data sheet

Details		Tested Applications	Dilution *
Size	100 µg	Western Blot (WB)	1:500-1:1,000
Host/Isotope	Rabbit / IgG	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Class	Polyclonal		
Type	Antibody		
Immunogen	A synthetic peptide derived from the internal region of human TEAD1		
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1 mg/mL		
Storage Conditions	-20°C		

Background/Target Information

TEF1 (Transcriptional enhancer factor 1), a member of the TEA/ATTS domain family, is a nuclear protein that is expressed in numerous cell types and plays a role in controlling the expression of numerous genes. TEF family members have a highly conserved DNA-binding domain TEF-1 binds to GT-IIC, SphI/II and M-CAT. TEF-1 also binds to the proximal regulatory element (PRE) of transforming growth factor-alpha, a member of the EGF family that is overexpressed in many types of cancer. Furthermore, TEF-1 represses transcription in placental cells. In vitro, TEF-1 is phosphorylated by several PKC isozymes. TEF-1 is phosphorylated in vivo at serine and threonine residues. Phosphorylation of TEF-1, both in vivo and in vitro, results in a reduction in its DNA-binding capability, which suggests a potential role for TEF-1 in PKC inhibition. TEF-1 also complexes with larger tumor antigen (Tag), and may thus have a role in tumorigenesis. Dimerization of TEF-1 may be important for TEF-1 to function as a regulator of gene transcription.

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