

www.bioss.com.cn sales@bioss.com.cn techsupport@bioss.com.cn 400-901-9800

EGR4 Antibody Blocking Peptide

Catalog Number:	bs-14522P
Activity:	Not tested
Purification:	HPLC
Storage:	Shipped at 4°C. Stored at -20°C for one year. Avoid repeated freeze/thaw cycles.
Background:	Egr-1, Egr-2, Egr-3 and Egr-4 are nuclear transcription factors belonging to the Egr C2H2-
	type zinc-finger protein family and containing three C2H2-type zinc fingers. As immediate
	early proteins, Egr transcription factors are rapidly induced by diverse extracellular stimuli.
	They are subject to tight differential control through diverse mechanisms at several levels of
	regulation: transcriptional; translational and posttranslational (including glycosylation,
	phosphorylation and redox) mechanisms; and protein-protein interaction. Egr-1 binds to the
	DNA sequence 5'-CGCCCCGC-3' (Egr-site), thereby activating transcription of target genes
	whose products are required for mitogenisis and differentiation. Egr-2 binds specific DNA
	sites located in the promoter region of HoxA4. Egr-2 defects cause congenital
	hypomyelination neuropathy (also designated Charcot-Marie-Tooth disease) and Dejerine-
	Sottas neuropathology (also designated hereditary motor and sensory neuropathy III). Egr-3
	is involved in muscle spindle development and is expressed in T cells 20 minutes following
	activation. Egr-4 binds to the Egr consensus motif GCGTGGGCG, functions as a
	transcriptional repressor, and displays autoregulatory activities, downregulating its own
	gene promoter in a dose dependent manner.