

Product datasheet for **AP23413PU-N**

c Fos (FOS) (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western blot: 1 µg/ml.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide corresponding to a sequence at the middle region of human C-FOS
Specificity:	This antibody detects c-fos (N-term).
Formulation:	5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ State: Aff - Purified State: Lyophilized Ig fraction
Reconstitution Method:	0.2ml of distilled water will yield a concentration of 500µg/ml.
Purification:	Immunogen affinity purified
Conjugation:	Unconjugated
Storage:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	Fos proto-oncogene, AP-1 transcription factor subunit
Database Link:	<u>Entrez Gene 14281 Mouse</u> <u>Entrez Gene 314322 Rat</u> <u>Entrez Gene 2353 Human</u> <u>P01100</u>



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Background:

The human oncogene c-fos is cellular homolog of the transforming gene of Finkel-Biskis-Jenkins (FBJ) murine osteosarcoma virus which was mapped to a single human chromosome.¹ c-Fos is encoded by the FOS gene. FOS was the first transcription factor identified that has a critical function in regulating the development of cells destined to form and maintain the skeleton. FOS is also a major component of the activator protein-1 (AP-1) transcription factor complex, which includes members of the JUN family. c-fos is a major nuclear target for signal transduction pathways involved in the regulation of cell growth, differentiation, and transformation.² Using transgenic and knockout mice, Grigoriadis et al. (1995) established a unique role for the proto-oncogene and nuclear transcription factor, Fos, in regulating the differentiation and activity of specific bone cell populations, both during normal development and in bone disease.

Synonyms:

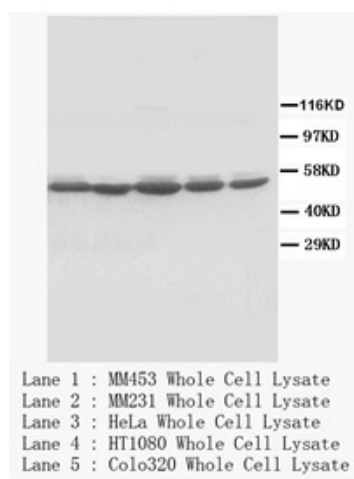
FOS, G0S7

Protein Families:

Druggable Genome, Transcription Factors

Protein Pathways:

B cell receptor signaling pathway, Colorectal cancer, MAPK signaling pathway, Pathways in cancer, T cell receptor signaling pathway, Toll-like receptor signaling pathway

Product images:


Western blot with C-FOS Polyclonal Antibody