

DNAxPAb

Hard-to-Find
Antibody

ATF4 DNAxPab

Catalog # H00000468-W01P

Size 200 ug

Specification

| | |
|--------------------------------|---|
| Product Description | Rabbit polyclonal antibody raised against a full-length human ATF4 DNA using DNAx™ Immune technology. |
| Technology | DNAx™ Immune |
| Immunogen | Full-length human DNA |
| Sequence | MTEMSFLSSEVLVGDLMSFPDQSGLGAEESLGLDDYLEVAKHFKPHGFSDDKAKAGSSEWLA VDGLVSPSNNKEDAFSGTDWMLEKMDLKEFDLDALLGIDDLETMPDDLTTLDDTCDLFAPLV QETNKQPPQTVNPIGHPESLTKPDQVAPFTFLQPLPLSPGVLSSSTPDHSFSLELGSEVDITEGDR KPDYTAYVAMIPQCIKEEDTPSDNDSGICMSPESYLGSPQHSPSTRGSPNRSPLSPGVLCGSARP KPYDPPGEKMVAACKVKGEKLDKKLKKMEQNKTAATRYRQKKRAEQEALTGECKELEKKNEALK ERADSLAKEIQYLKDLIEEVRKARGKKRVP |
| Host | Rabbit |
| Reactivity | Human |
| Purification | Protein A |
| Quality Control Testing | Antibody reactive against mammalian transfected lysate. |
| Storage Buffer | In 1x PBS, pH 7.4 |
| Storage Instruction | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — ATF4

Entrez GeneID [468](#)

GeneBank Accession# [NM_001675.2](#)

Protein Accession# [NP_001666.2](#)

Gene Name ATF4

Gene Alias CREB-2, CREB2, TAXREB67, TXREB

Gene Description activating transcription factor 4 (tax-responsive enhancer element B67)

Omim ID [604064](#)

Gene Ontology [Hyperlink](#)

Gene Summary

This gene encodes a transcription factor that was originally identified as a widely expressed mammalian DNA binding protein that could bind a tax-responsive enhancer element in the LTR of HTLV-1. The encoded protein was also isolated and characterized as the cAMP-response element binding protein 2 (CREB-2). The protein encoded by this gene belongs to a family of DNA-binding proteins that includes the AP-1 family of transcription factors, cAMP-response element binding proteins (CREBs) and CREB-like proteins. These transcription factors share a leucine zipper region that is involved in protein-protein interactions, located C-terminal to a stretch of basic amino acids that functions as a DNA binding domain. Two alternative transcripts encoding the same protein have been described. Two pseudogenes are located on the X chromosome at q28 in a region containing a large inverted duplication. [provided by RefSeq]

Other Designations activating transcription factor 4|cAMP response element-binding protein 2

Pathway

- [GnRH signaling pathway](#)
- [Long-term potentiation](#)
- [MAPK signaling pathway](#)
- [Neurotrophin signaling pathway](#)
- [Prostate cancer](#)

Disease

- [Bipolar Disorder](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)
- [Neuropsychological Tests](#)
- [Schizophrenia](#)