

ATF2 Polyclonal antibody

Catalog Number: 51089-1-AP

Basic Information

Catalog Number:

51089-1-AP

Size:

230 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC026175

GeneID (NCBI):

1386

UNIPROT ID:

P15336

Full Name:

activating transcription factor 2

Calculated MW:

209 aa, 23 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

ELISA

Species Specificity:

human, mouse

Background Information

ATF2, also named as CREB2 and CREBP1, contains one bZIP domain and one C2H2-type zinc finger. It belongs to the bZIP family. ATF2 binds to the cAMP-responsive element (CRE), an octameric palindrome. It forms a homodimer or a heterodimer with c-Jun and stimulates CRE-dependent transcription. It is also a histone acetyltransferase (HAT) that specifically acetylates histones H2B and H4 in vitro; thus it may represent a class of sequence-specific factors that activate transcription by direct effects on chromatin components. ATF2 binds DNA as a dimer and can form a homodimer in the absence of DNA. It binds through its N-terminal region to UTF1 which acts as a coactivator of ATF2 transcriptional activity. This antibody can recognize all the isoforms of human ATF2.

Storage

Storage:

Store at -20°C.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

