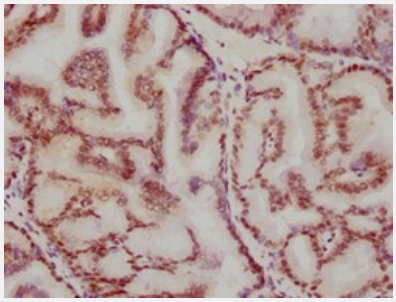
RecomAb™

ATF2 recombinant monoclonal antibody, clone 3D12

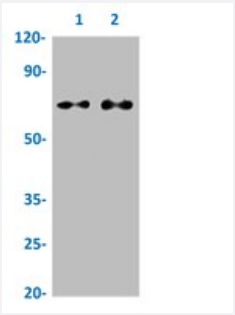
Catalog # RAB04352 Size 100 uL

Applications



Immunohistochemistry

Immunohistochemical staining of human prostate tissue with ATF2 recombinant monoclonal antibody, clone 3D12 (Cat # RAB04352) (diluated at 1:115.5).



Western Blot

Western blot analysis of Lane 1: K562 whole cell lysate and Lane 2: 293T whole cell lysate with ATF2 recombinant monoclonal antibody, clone 3D12 (Cat # RAB04352).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human ATF2.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human ATF2.
Theoretical MW (kDa)	Calculated MW: 55, 3
Reactivity	Human
Form	Liquid

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Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	ELISA Immunohistochemistry (1:50-1:200) Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at -20 °C or -80 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry

  Immunohistochemical staining of human prostate tissue with ATF2 recombinant monoclonal antibody, clone 3D12 (Cat # RAB04352) (diluated at 1:115.5).

- Enzyme-linked Immunoabsorbent Assay

- Western Blot

  Western blot analysis of Lane 1: K562 whole cell lysate and Lane 2: 293T whole cell lysate with ATF2 recombinant monoclonal antibody, clone 3D12 (Cat # RAB04352).

Gene Info — ATF2

Entrez GeneID	1386
Protein Accession#	P15336
Gene Name	ATF2
Gene Alias	CRE-BP1, CREB2, HB16, MGC111558, TREB7
Gene Description	activating transcription factor 2
Omim ID	123811

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Gene Ontology	Hyperlink
Gene Summary	This gene encodes a transcription factor that is a member of the leucine zipper family of DNA bin ding proteins. This protein binds to the cAMP-responsive element (CRE), an octameric palindrom e. The protein forms a homodimer or heterodimer with c-Jun and stimulates CRE-dependent tran scription. The protein is also a histone acetyltransferase (HAT) that specifically acetylates histone s H2B and H4 in vitro; thus it may represent a class of sequence-specific factors that activate tran scription by direct effects on chromatin components. Additional transcript variants have been iden tified but their biological validity has not been determined. [provided by RefSeq
Other Designations	OTTHUMP00000163262|activating transcription factor 2 splice variant ATF2-var2|cAMP respons ive element binding protein 2, formerly

Pathway

- MAPK signaling pathway

Disease

- Bipolar Disorder
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Schizophrenia
- Tobacco Use Disorder

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