

Anti-ATF-4 Rabbit pAb



WL02330

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-ATF-4 Rabbit pAb	
Source	Rabbit	
Species reactivity	Human, Mouse, Rat	
Tested applications	WB	1:500-1:1000
	IHC	1:100-1:200
	IF	1:200
Cellular localization	Cytoplasm. Cell membrane. Nucleus	
Pack size	50/100/200/500/1000µl	
Storage	Store at -20°C. Avoid freeze/thaw cycles.	
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml	
	BSA, 50% glycerol and less than 0.02% sodium azide	

General Information

Background	ATF-4 is an approximately 38 kDa member of the bzip family of transcription factors. 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.
Immunogen	Polyclonal antibody is produced by immunizing animals with a synthetic peptide of ATF-4.
Purification	Polyclonal antibody was purified by immunogen affinity chromatography.

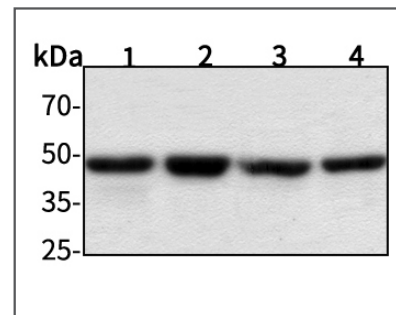
Anti-ATF-4 Rabbit pAb



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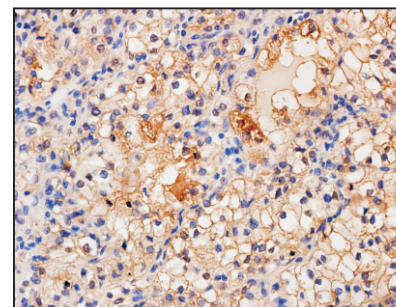
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Product Images



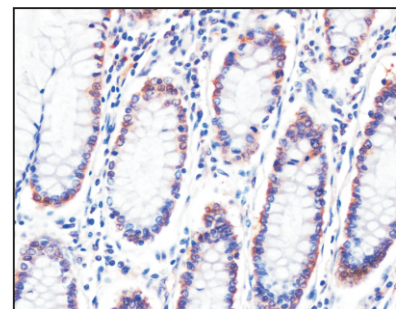
Western blot-Anti-ATF-4 pAb

Lane 1: Human HepG2 cell lysate
 Lane 2: Human Hela cell lysate
 Lane 3: Human BGC-823 cell lysate
 Lane 4: Human MGC-803 cell lysate
 All lanes: Anti-ATF-4 at 1:1000 dilution
 Lysates/proteins at 20-50 µg per lane.
 Predicted band size: 38 kDa
 Observed band size: 45-50 kDa



Immunohistochemistry-Anti-ATF-4 pAb

Immunohistochemical analysis of paraffin-embedded human kidney cancer using anti-ATF-4 Rabbit Antibody at 1:200 dilution.
 Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunohistochemistry-Anti-ATF-4 pAb

Immunohistochemical analysis of paraffin-embedded human colon cancer using anti-ATF-4 Rabbit Antibody at 1:100 dilution.
 Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

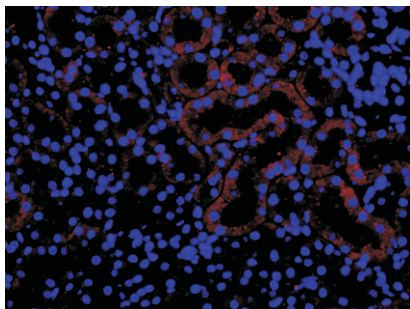
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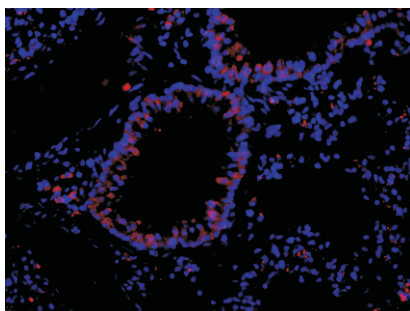
Product Information



Immunofluorescence-Anti-ATF-4 pAb

Immunofluorescence analysis of paraffin-embedded mouse kidney using anti-ATF-4 Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunofluorescence-Anti-ATF-4 pAb

Immunofluorescence analysis of paraffin-embedded rat lung using anti-ATF-4 Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0