

Product datasheet for **TA324219**

ATF2 Rabbit Polyclonal Antibody

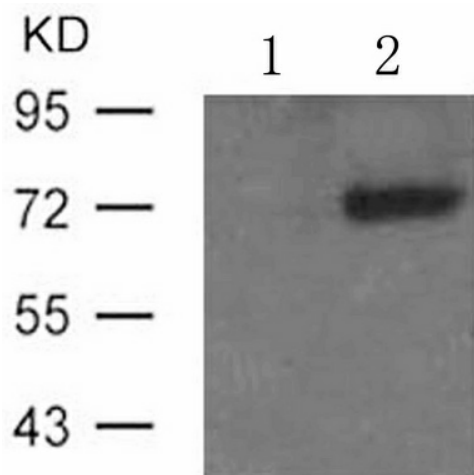
Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1:500-1000, IHC: 1:50-100, IF: 1:100-200
Reactivity:	Human, Mouse, Rat
Modifications:	Phospho-specific
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide sequence around phosphorylation site of threonine 69 or 51 (D-Q-T(p)-P-T) derived from Human ATF2.
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	activating transcription factor 2
Database Link:	NP_001871 Entrez Gene 11909 Mouse Entrez Gene 81647 Rat Entrez Gene 1386 Human P15336
Background:	Transcriptional activator, probably constitutive, which binds to the cAMP-responsive element (CRE) (consensus: 5'-GTGACGT[AC][AG]-3'), a sequence present in many viral and cellular promoters. Interaction with JUN redirects JUN to bind to CRES preferentially over the 12-O-tetradecanoylphorbol-13-acetate response elements (TRES) as part of an ATF2-c-Jun complex.
Synonyms:	CRE-BP1; CREB-2; CREB2; HB16; TREB7
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	MAPK signaling pathway

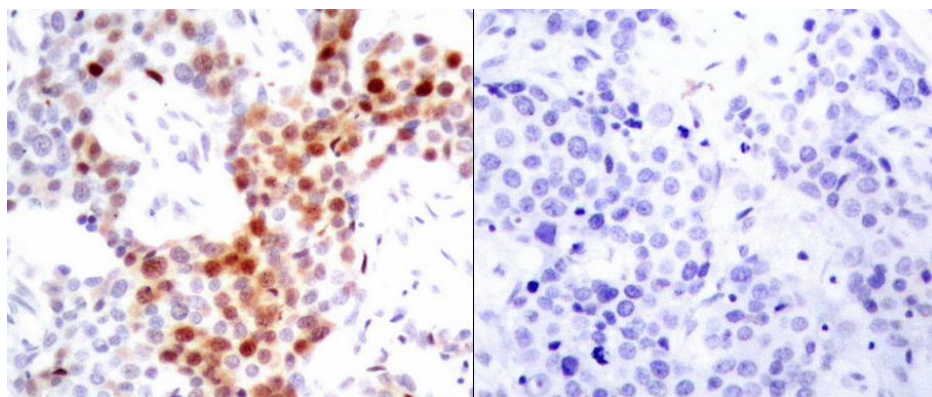


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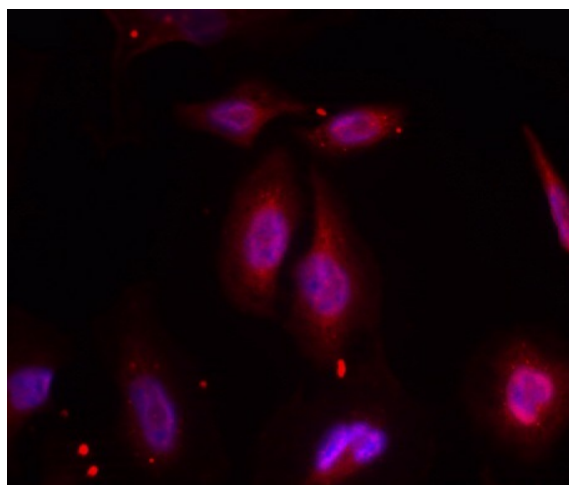
Product images:



Predicted band size: 65-75 kDa. Positive control: NIH/3T3 cells treated with Anisomycin lysate. Recommended dilution: 1/ 500-1000. (Gel: 8%SDS-PAGE Lane 1: NIH/3T3 cells untreated with Anisomycin lysate Lane 2: NIH/3T3 cells treated with Anisomycin lysate Lysates: 30 ug per lane Primary antibody: 1/500 dilution Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution Exposure time: 1 minute)



Predicted cell location: Nucleus. Positive control: Human breast carcinoma tissue. Recommended dilution: 1/ 50-100 The image on the left is immunohistochemistry of paraffin-embedded human breast carcinoma tissue using ATF2 (Phospho-Thr69 or 51) antibody at dilution 1/50, on the right is treated with the synthetic peptide. (Original magnification:x200)



Predicted cell location: Nucleus. Positive control: HeLa cells. Recommended dilution: 1/ 100-200. The image is immunofluorescence of methanol-fixed HeLa cells using ATF2 (Phospho-Thr69 or 51) antibody at dilution 1/100. (Original magnification:x200)