

AB-NN207-1

ATF4 Antibody

Pan-specific monoclonal antibody (S360A-24) for monitoring the expression of human ATF4



KINEXUS

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Target Protein

Name Long:	Cyclic AMP-dependent transcription factor ATF-4
Alias:	Activating Transcription Factor 4, ATF 4, ATF4 protein, cAMP-dependent transcription factor ATF-4, cAMP-responsive element-binding protein 2, CREB 2, CREB-2, CREB2, Cyclic AMP dependent transcription factor ATF 4, Cyclic AMP response element binding protein 2, Cyclic AMP-dependent transcription factor ATF-4, Cyclic AMP-responsive element-binding protein 2, DNA-binding protein TAXREB67, Tax Responsive Enhancer Element B67, Tax-responsive enhancer element-binding protein 67, TAXREB67, TXREB
UniProt ID:	P18848 - Human
Human Predicted Mass (KDa):	38.590 (351 AA; P18848-1)
Observed SDS-PAGE Mass (KDa):	60

Immunogen

Antibody Immunogen Source:	Fusion protein amino acids 25-327 of human ATF4. 86% identical to rat, and 85% identical to mouse. <50% identity with ATF5.
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Production

Antibody Host Species:	Mouse
Antibody Type:	Monoclonal
Antibody Ig Isotype Clone Lot:	4 IgG2a
Antibody Purification:	Protein G purified
Amount:	25 µg
Antibody Concentration:	1 mg/ml
Lot Number:	15DE1
Storage Buffer:	Phosphate buffered saline pH 7.4, 50% glycerol, 0.1% sodium azide
Storage Conditions and Stability:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

Applications

Product Use:	WB IHC ICC/IF
Antibody Dilution Recommended:	WB (1:1000); optimal dilutions for assays should be determined by the user.
Antibody Species Reactivity:	Human Rat
Antibody Positive Control:	1 µg/ml of SMC-447 was sufficient for detection of ATF4 in 20 µg of rat brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
Target Detection Immunoblotting:	Detects a ~60 kDa protein.
Antibody Cross Reactivities:	Does not cross-react with ATF5.

This product is for in vitro research use only and is not intended for use in humans or animals.

For more information on our products please visit www.kinexusproducts.ca or contact us at 1-888-546-3987