

Datasheet for ABIN2777262
anti-AFT1 antibody (Middle Region)



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2 Images

Overview

Quantity:	100 µL
Target:	AFT1
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Dog, Horse, Rabbit, Guinea Pig, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AFT1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human ATF1
Sequence:	YQIRTPSAT SLPQTVVMTS PVTLSQTTK TDDPQLKREI RLMKNREAAR
Predicted Reactivity:	Cow: 93%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 93%, Rabbit: 100%, Rat: 100%, Zebrafish: 82%
Characteristics:	This is a rabbit polyclonal antibody against ATF1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	AFT1
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Target Details

Alternative Name:	ATF1 (AFT1 Products)
Background:	ATF1 binds the cAMP response element (CRE) (consensus: 5'-GTGACGT [AC] [AG]-3'), a sequence present in many viral and cellular promoters. ATF1 binds to the Tax-responsive element (TRE) of HTLV-I. ATF1 mediates PKA-induced stimulation of CRE-reporter genes. Alias Symbols: EWS-ATF1, FUS/ATF-1, TREB36 Protein Interaction Partner: UBC, SRA1, FOSL2, GABPB1, GABPA, EDF1, HNF1B, RPS6KA5, CAMK1, RPS6KA4, CAMK2G, PRKACA, CREBBP, SPI1, JUN, CREM, CREB1, ATF1, CSNK2A2, CSNK2A1, BRCA1, CSNK2B, CAMK2A, FOSL1, Protein Size: 271
Molecular Weight:	29 kDa
Gene ID:	466
NCBI Accession:	NM_005171 , NP_005162
UniProt:	P18846
Pathways:	Neurotrophin Signaling Pathway , Activation of Innate immune Response , Myometrial Relaxation and Contraction , Toll-Like Receptors Cascades

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 271 AA
Restrictions:	For Research Use only

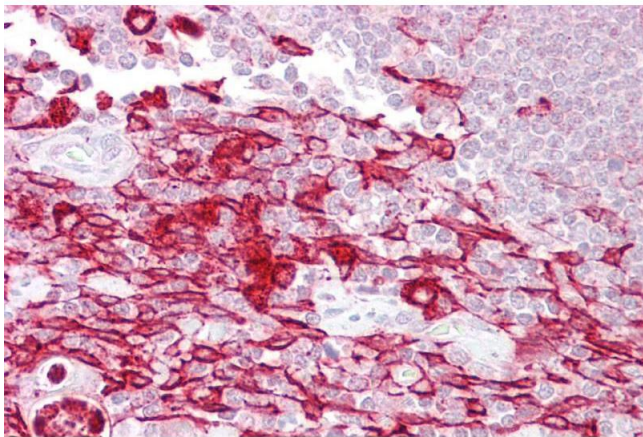
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.

Handling

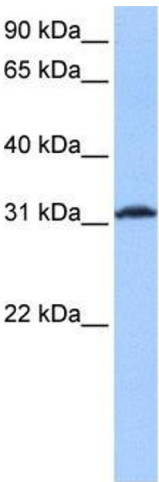
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Immunohistochemistry

Image 1. Immunohistochemistry with Thymus tissue at an antibody concentration of 5µg/ml using anti-ATF1 antibody (ARP31366_P050)



Western Blotting

Image 2. WB Suggested Anti-ATF1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: 721_B cell lysate ATF1 is supported by BioGPS gene expression data to be expressed in 721_B