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# Datasheet for ABIN4885978

# **ATF2 ELISA Kit**



### Overview

Quantity:	96 tests
Target:	ATF2
Binding Specificity:	pThr69, pThr71, total
Reactivity:	Human, Mouse
Method Type:	Sandwich ELISA
Application:	ELISA
Product Details	
Purpose:	Human and Mouse Phospho-ATF2 (Thr69/71) and Total ATF2 ELISA Kit. This assay semi-quantitatively measures phophorylated ATF2 (Thr69/71) and Total ATF2 in lysate samples.
Sample Type:	Cell Culture Lysate
Analytical Method:	Semi-Quantitative
Detection Method:	Colorimetric
Specificity:	This ELISA kit recognizes Human and Mouse ATF2 phosphorylated at site Threonine-69/71 as well as total ATF2.
Characteristics:	<ul> <li>Simultaneously measure Phosphorylated protein and pan protein in one experiment (for normalization purpose)</li> <li>Screen numerous different cell lysates without performing a Western Blot analysis</li> <li>Minimal hands-on time, convenient, and non-radioactive material</li> </ul>
Components:	<ul><li>Pre-Coated 96-well Strip Microplate</li><li>Wash Buffer</li></ul>

### **Product Details**

- · Anti-Phospho Antibody
- · Anti-Pan Antibody
- · HRP-Conjugated Secondary Antibody
- · Streptavidin-Conjugated HRP
- · Assay Diluent
- · TMB One-Step Substrate
- · Stop Solution
- · Lysis Buffer
- · Positive Control Sample

### Material not included:

- · Distilled or deionized water
- · 100 mL and 1 liter graduated cylinders
- Tubes to prepare sample dilutions
- · Protease and Phosphatase inhibitors
- Precision pipettes to deliver 2 µL to 1 mL volumes
- Adjustable 1-25 mL pipettes for reagent preparation
- · Benchtop rocker or shaker
- · Microplate reader capable of measuring absorbance at 450 nm

# **Target Details**

Target:	ATF2
Alternative Name:	ATF2 (ATF2 Products)
Gene ID:	1386
UniProt:	P15336, P16951
Pathways:	MAPK Signaling, RTK Signaling, Thyroid Hormone Synthesis, Activation of Innate immune
	Response, Chromatin Binding, Myometrial Relaxation and Contraction, Synaptic Membrane,
	Tube Formation, Toll-Like Receptors Cascades

## **Application Details**

Sample Volume:	100 μL
Plate:	Pre-coated
Protocol:	<ol> <li>Prepare all reagents and samples as instructed in the manual.</li> <li>Add 100 μL of sample or positive control to each well.</li> <li>Incubate 2.5 h at RT or O/N at 4 °C.</li> <li>Add 100 μL of prepared primary antibody to each well.</li> <li>Incubate 1 h at RT.</li> </ol>

# **Application Details**

	6. Add 100 μL of prepared 1X HRP-Streptavidin to each well.
	7. Incubate 1 h at RT.
	8. Add 100 μL of TMB One-Step Substrate Reagent to each well.
	9. Incubate 30 min at RT.
	10. Add 50 μL of Stop Solution to each well.
	11. Read at 450 nm immediately.
Restrictions:	For Research Use only
Handling	
Storage:	-20 °C
Storage Comment:	Upon receipt, the kit should be stored at -20 °C. Please use within 6 months from the date of
	shipment. After initial use, Wash Buffer Concentrate (Item B), Assay Diluent (Item E), TMB One-
	Step Substrate Reagent (Item H), HRP-Streptavidin (Item G), Stop Solution (Item I) and Cell
	Lysate Buffer (Item J) should be stored at 4 °C to avoid repeated freeze-thaw cycles. Return
	unused wells to the pouch containing desiccant pack, reseal along entire edge and store at -20
	°C. Reconstituted Positive Control (Item K) should be stored at -70 °C.
Expiry Date:	6 months