

Product Datasheet

ATF4 Antibody (Biotin) (orb150633)

Catalog Number	orb150633
Category	Antibodies
Description	Mouse monoclonal antibody against ATF4 conjugated to Biotin
Target	ATF4
Clonality	Monoclonal
Species/Host	Mouse
Isotype	IgG2a
Conjugation	Biotin
Reactivity	Human, Rat
Concentration	1 mg/ml
Buffer/Preservatives	136.36mM Ethanolamine, 133.23 mM Chlorides, 9.55mM Phosphates, 9.55mM Sodium Bicarbonate
Purification	Protein G Purified
Immunogen	Fusion protein amino acids 25-327 of human ATF4. 86% identical to rat, and 85% identical to mouse. 50% identity with ATF5.
UniProt ID	P18848
MW	60kDa
Tested applications	ICC, IF, IHC, WB
Dilution range	WB (1:1000)

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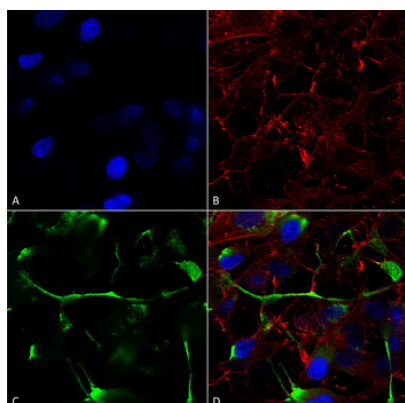
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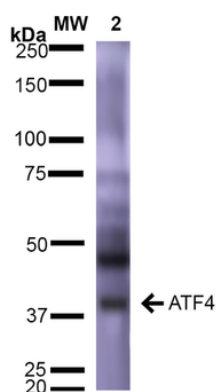
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Application notes	1 µg/ml was sufficient for detection of ATF4 in 20 µg of rat brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
Specificity	Detects ~60kDa. Does not cross-react with ATF5.
Clone Number	N360A/24 (Formerly sold as S360A-24)
Storage	Conjugated antibodies should be stored according to the product label
Note	For research use only
Entrez	468
NCBI	NP_001666.2
Expiration Date	12 months from date of receipt.



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-ATF4 Monoclonal Antibody, Clone N360A/24. Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 4% PFA for 15 min. Primary Antibody: Mouse Anti-ATF4 Monoclonal Antibody at 1:200 for overnight at 4°C with slow rocking. Secondary Antibody: AlexaFluor 488 at 1:1000 for 1 hour at RT. Counterstain: Phalloidin-iFluor 647 (red) F-Actin stain; Hoechst (blue) nuclear stain at 1:800, 1.6mM for 20 min at RT. (A) Hoechst (blue) nuclear stain. (B) Phalloidin-iFluor 647 (red) F-Actin stain. (C) ATF4 Antibody (D) Composite.



Western Blot analysis of Rat Brain showing detection of ~39 kDa (isoform 2) ATF4 protein using Mouse Anti-ATF4 Monoclonal Antibody, Clone N360A/24. Lane 1: Molecular Weight Ladder (MW). Lane 2: Rat Brain. Load: 15 µg. Block: 5% Skim Milk in 1X TBST. Primary Antibody: Mouse Anti-ATF4 Monoclonal Antibody at 1:1000 for 2 hours at RT. Secondary Antibody: Goat Anti-Mouse IgG: HRP at 1:2000 for 60 min at RT. Color Development: ECL solution for 5 min at RT. Predicted/Observed Size: ~39 kDa (isoform 2).

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