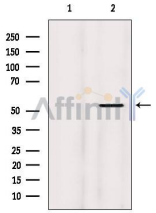
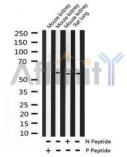
Phospho-MEF2A (Thr319) Antibody

Cat.#: AF3382	Concn.: 1mg/ml	Mol.Wt.: 54kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

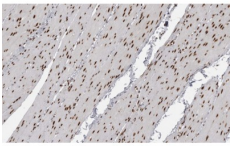
Application:	WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Reactivity:	Human,Mouse,Rat
Purification:	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Specificity:	Phospho-MEF2A (Thr319) Antibody detects endogenous levels of MEF2A only when phosphorylated at Threonine 319.
Immunogen:	A synthesized peptide derived from human MEF2A around the phosphorylation site of Thr319.
Uniprot:	Q02078
Description:	MEF2A a myocyte-specific enhancing transcription factor which binds specifically to the MEF2 element present in the regulatory regions of many, if not all, muscle-specific genes. A member of the MADS gene family that also includes several homeotic genes and other transcription factors, all of which share a conserved DNA-binding domain.
Storage Condition and Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.



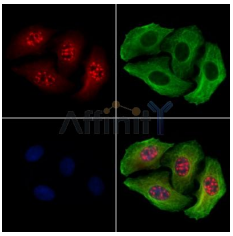
Western blot analysis of extracts from Mouse brain, using Phospho-MEF2A (Thr319) Antibody. Lane 1 was treated with the blocking peptide.



Western blot analysis of extracts from mouse kidney/rat lung, using Phospho-MEF2A (Thr319) Antibody.
-/+ means absence or presence of N peptide(non-phospho peptide) and P peptide(phospho peptide)



AF3382 at 1/200 staining human Smooth muscle tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.



AF3382 staining Hela cells(4h of LPS treatment) by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AF3382 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.