Affinity Biosciences
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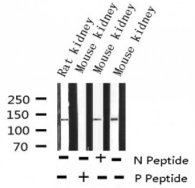
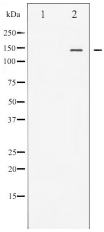
Phospho-eNOS (Ser1177) Ab

Cat.#: AF3247	Concn.: 1mg/ml	Mol.Wt.: 140kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

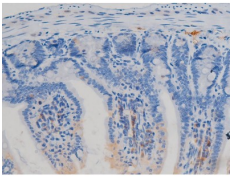
Application:	WB 1:500-1:2000 IHC 1:50-1:200 IF 1:200
Reactivity:	Human,Mouse,Rat
Purification:	The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Specificity:	Phospho-eNOS (Ser1177) Ab detects endogenous levels of eNOS only when phosphorylated at Serine 1177.
Immunogen:	A synthesized peptide derived from human eNOS around the phosphorylation site of Serine 1177.
Uniprot:	P29474
Description:	eNOS is an endothelial constitutive nitric oxide synthase. Synthesizes nitric oxide (NO) from arginine and oxygen, which is implicated in vascular smooth muscle relaxation through a cGMP-mediated signal transduction pathway.
Subcellular Location:	Cell membrane. Membrane, caveola. Cytoplasm, cytoskeleton. Golgi apparatus. Specifically associates with actin cytoskeleton in the G2 phase of the cell cycle and which is favored by interaction with NOSIP and results in a reduced enzymatic activity.
Tissue Specificity:	Platelets, placenta, liver and kidney.
Similarity:	Belongs to the NOS family.
Storage Condition and Buffer:	PBS, pH 7.4,50% glycerol.



Western blot analysis of Phospho-eNOS (Ser1177) expression in various lysates



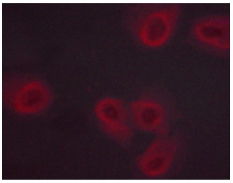
Western blot analysis of eNOS phosphorylation expression in Insulin treated HeLa whole cell lysates,The lane on the left is treated with the antigen-specific peptide.



AF3247 at 1/200 staining Mouse intestinal 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 Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.

Phospho-eNOS (Ser1177) Ab Ab for IHC in human colon tissue

AF3247 staining K562 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary Ab.



AF3247 staining Hela cells by ICC/IF. Cells were fixed with PFA and permeabilized in 0.1% saponin prior to blocking in 10% serum for 45 minutes at 37°C. The primary Ab was diluted 1/400 and incubated with the sample for 1 hour at 37°C. A Alexa Fluor 594 conjugated goat polyclonal to rabbit IgG (H+L), diluted 1/600 was used as secondary Ab.

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.