

eNOS (Phospho Ser1177) Rabbit mAb (AR1970)

Key Features

Host Species:	Rabbit
Reactivity:	Human,Mouse,Rat
Applications:	WB,IHC,IF,IP,ELISA
Isotype:	IgG,Kappa
MW:	133kDa (Calculated) 133kDa (Observed)

Recommended Dilution Ratios

IHC:	1:200-1000
WB:	1:2000-10000
IF:	1:200-1000
ELISA:	1:5000-20000
IP:	1:50-200

Storage

-15°C to -25°C/1 year (Do not lower than -25°C)

Basic Information

Clonality	Monoclonal
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Immunogen Information

Specificity	Endogenous
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Target Information

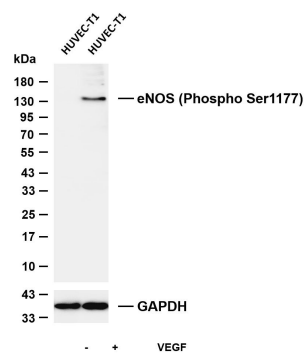
Gene name	NOS3
Protein Name	Nitric oxide synthase endothelial

Organism	Gene ID	UniProt ID
Human	4846	P29474
Mouse	18127	P70313
Rat	24600	Q62600

Cellular Localization	Cell membrane. Membrane, caveola. Cytoplasm, cytoskeleton. Golgi apparatus. Specifically associates with actin cytoskeleton in the G2 phase of the cell cycle; which is favored by interaction with NOSIP and results in a reduced enzymatic activity.
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Tissue specificity

Validation Data



Platelets, placenta, liver and kidney

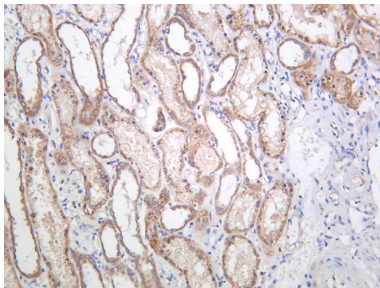
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-eNOS (Phospho Ser1177) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody.

Lane 1: HUVEC-T1

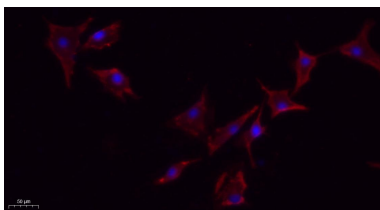
Lane 2: HUVEC-T1 was treated with VEGF(10ng/ml) for 5 minutes

Predicted band size: 133kDa

Observed band size: 133kDa

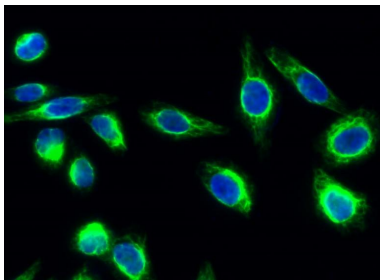


Human kidney was stained with anti-eNOS (Phospho Ser1177) Rabbit antibody



Immunofluorescence analysis of A549.

1. Primary Antibody(red) was diluted at 1:200(4°C overnight).
2. Goat Anti Rabbit IgG (H&L) - Alexa Fluor 594 Secondary antibody was diluted at 1:1000(room temperature, 50min).
3. DAPI(blue) 10min



Immunofluorescence analysis of HeLa cell.

1. NOS3 (phospho Ser1177) Antibody(green) was diluted at 1:200 (4°C overnight).
2. Goat Anti Rabbit Alexa Fluor 488 was diluted at 1:1000(room temperature, 50min).
3. DAPI(blue) 10min

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