

Datasheet for ABIN518395
anti-ENOS antibody (AA 61-160)

3 Images

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Overview

Quantity:	100 µg
Target:	ENOS (NOS3)
Binding Specificity:	AA 61-160
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ENOS antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Proximity Ligation Assay (PLA)

Product Details

Purpose:	Mouse monoclonal antibody raised against a partial recombinant NOS3.
Immunogen:	NOS3 (AAH63294.1, 61 a.a. ~ 160 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	QPPEGPKFPR VKNWEVGSIT YDTLSAQAAQQ DGPCTPRRCL GSLVFPRKLQ GRPSGPPAP EQLLSQARDF INQYYSIKR SGSQAHEQRL QEVEAEVAAT
Clone:	1D12
Isotype:	IgG2a
Cross-Reactivity:	Human
Characteristics:	Antibody Reactive Against Recombinant Protein.

Target Details

Target:	ENOS (NOS3)
Alternative Name:	NOS3 (NOS3 Products)
Background:	Full Gene Name: nitric oxide synthase 3 (endothelial cell) Synonyms: ECNOS,eNOS
Gene ID:	4846
Pathways:	ACE Inhibitor Pathway , Regulation of Systemic Arterial Blood Pressure by Hormones , Cellular Response to Molecule of Bacterial Origin , Myometrial Relaxation and Contraction , Signaling Events mediated by VEGFR1 and VEGFR2 , Thromboxane A2 Receptor Signaling , VEGFR1 Specific Signals , VEGF Signaling

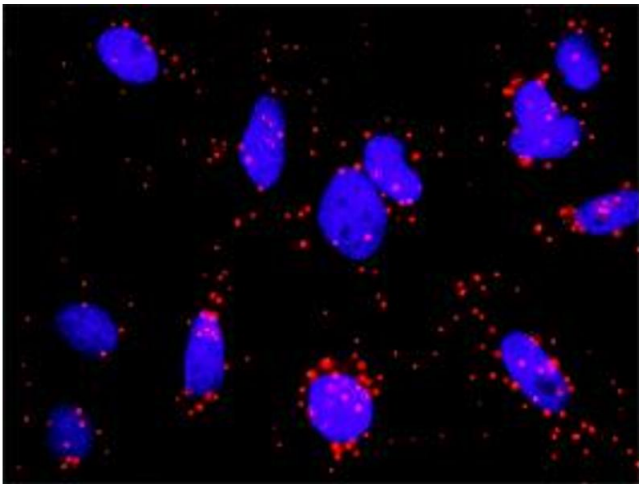
Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

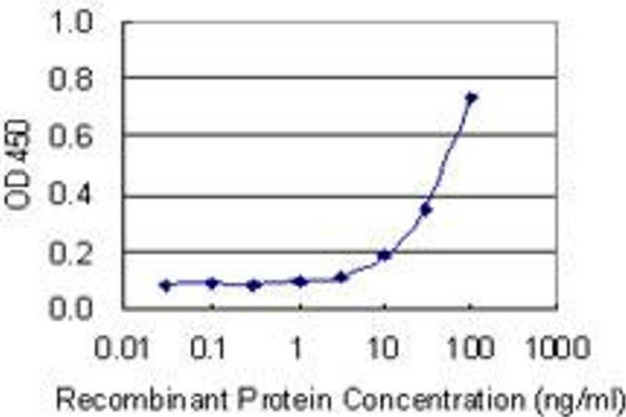
Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Images



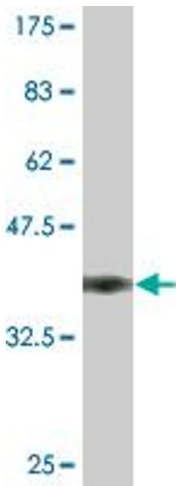
Proximity Ligation Assay

Image 1. Proximity Ligation Analysis of protein-protein interactions between AKT1 and NOS3. HeLa cells were stained with anti-AKT1 rabbit purified polyclonal 1:1200 and anti-NOS3 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



ELISA

Image 2. Detection limit for recombinant GST tagged NOS3 is 3 ng/ml as a capture antibody.



Western Blotting

Image 3. Western Blot detection against Immunogen (36.63 kDa) .