

Anti-nNOS Antibody (9D333)

Product Details

Ig Type:	IgG
Reactivity:	Rat(predicted:Human,Mouse)
Molecular Weight:	Theoretical: 130 kDa. Actual: 165 kDa.
Clone:	9D333
Purification:	Protein A purified

Applications

Sample:	Lane 1: Mouse Cerebellum tissue lysates Lane 2: Rat Cerebellum tissue lysates
Verified Activity:	Primary: Anti-nNOS (TMAB-09547) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 130 kDa Observed band size: 180 kDa
Application:	WB
Recommended	WB: 1:500-1000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human nNOS
Antigen Species:	Human
Gene ID:	4842
Uniprot ID:	P29475

Research Background

The protein encoded by this gene belongs to the family of nitric oxide synthases, which synthesize nitric oxide from L-arginine. Nitric oxide is a reactive free radical, which acts as a biologic mediator in several processes, including neurotransmission, and antimicrobial and antitumoral activities. In the brain and peripheral nervous system, nitric oxide displays many properties of a neurotransmitter, and has been implicated in neurotoxicity associated with stroke and neurodegenerative diseases, neural regulation of smooth muscle, including peristalsis, and penile erection. This protein is ubiquitously expressed, with high level of expression in skeletal muscle. Multiple transcript variants that differ in the 5' UTR have been described for this gene but the full-length nature of these transcripts is not known. Additionally, alternatively spliced transcript variants encoding different isoforms (some testis-specific) have been found for this gene.[provided by RefSeq, Feb 2011].

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