BOSTER
antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Nitric oxide synthase (inducible) clonal Monoclonal Antibody (K13-A)

Catalog Number: M00368-1

About NOS2

Paired box protein Pax-6 also known as aniridia type II protein (AN2) or oculorhombin is a transcription factor with key functions in the development of the eye, nose, central nervous system and pancreas. Pax6 further seems to be required for the differentiation of pancreatic islet alpha cells. PAX6 has been shown to bind to a promoter element in the glucagon, insulin and somatostatin promoters and regulates the specification of the ventral neuron subtypes by establishing the correct progenitor domains. Isoform 5a appears to function as a molecular switch that specifies target genes. Anti-PAX6 antibody is ideal for researchers interested in developmental biology, stem cell research, cell growth and cancer research.

Overview

Product Name	Anti-Nitric oxide synthase (inducible) clonal Monoclonal Antibody (K13-A)
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Nitric oxide synthase (inducible) clonal Monoclonal Antibody (K13-A) (Catalog# M00368-1). Tested in ELISA, IHC-F, IHC-P, IP, WB application(s). This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IP, IHC-P, IHC-F, WB
Clonality	Monoclonal K13-A
Formulation	Liquid. In 20mM TRIS/HCl, pH 8.0, containing 10mg/ml BSA and 0.05% sodium azide.
Storage Instructions	Store at -20°C for one year. For short-term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P35228

Technical Details

Immunogen	Synthetic peptide corresponding to a portion of human inducible nitric oxide synthase (iNOS; NOS II)
Isotype	IgG
Form	Liquid
Concentration	0.5-1mg/ml, actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Major clone of IgGs obtained from immunoaffinity purified immunoglobulins corresponding to immunogenic peptide.

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: ELISA (1:20,000-1:50,000) Western Blot (1:2,000; Wash buffer: 1x TRIS buffered saline (TBS) containing 0.1% Triton X-100, Blocking buffer: 1x TBS containing 0.1% Triton X-100 and 5% nonfat dry milk. Incubate the membrane with antibody diluted in blocking buffer for 2 hours at room temperature) Suggested dilutions/conditions may not be available for all applications. Optimal conditions must be determined individually for each application.

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Nitric oxide synthase (inducible) clonal Monoclonal Antibody (K13-A) (M00368-1) Images

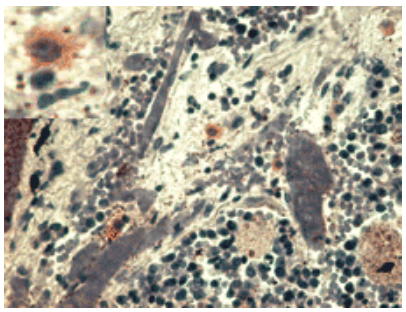

Figure 1. IHC analysis of NOS2 using anti-NOS2 antibody (M00368-1).
NOS2 was detected in paraffin-embedded section. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-NOS2 Antibody (M00368-1) overnight at 4°C. Biotinylated goat anti Rabbit IgG antibody was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC)(Catalog # SA1022) with DAB as the chromogen.

17 Publications Citing This Product

1. PubMed ID: 10.1016/j.colsurfb.2017.11.042, Characterization of a microbial polysaccharide-based bioflocculant and its anti-inflammatory and pro-coagulant activity

2. PubMed ID: 32174219, He X,Liu Z,Pang Y,Xu W,Zhao L,Li H.Downregulation of transcription factor TCTP elevates microRNA-200a expression to restrain Myt1L expression, thereby improving neurobehavior and oxidative stress injury in cerebral palsy rats.Cell Cycle.2020 Apr;19(8):855

3. PubMed ID: 12800233, Role of inducible nitric oxide synthase expression in aberrant crypt foci-adenoma-carcinoma sequence

Visit bosterbio.com/anti-nitric-oxide-synthase-inducible-clonal-antibody-k13-a-m00368-1-boster.html to see all 17 publications.