Product datasheet

Anti-NONO Antibody (Clone#11E2)

Catalog Number: *M03515*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
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Basic Information

Product Name	Anti-NONO Antibody (Clone#11E2)
Gene Name	NONO
Source	Mouse
Clonality	Monoclonal
Isotype	IgG1
Species Reactivity	human
Tested Application	WB, FCM, ICC/IF
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human nmt55 p54nrb, identical to the related mouse and rat sequences.
Concentration	500 ug/ml
Purification	protein G purified.
Observed MW	60 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Immunocytochemistry/Immunofluorescence (ICC/IF): 1:50-400 Flow Cytometry (Fixed): 1:50-200 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

Non-POU domain-containing octamer-binding protein is a protein that in humans is encoded by the NONO gene. This gene encodes an RNA-binding protein which plays various roles in the nucleus, including transcriptional regulation and RNA splicing. A rearrangement between this gene and the transcription factor E3 gene has been observed in papillary renal cell carcinoma. Alternatively spliced transcript variants have been described. Pseudogenes exist on Chromosomes 2 and 16.

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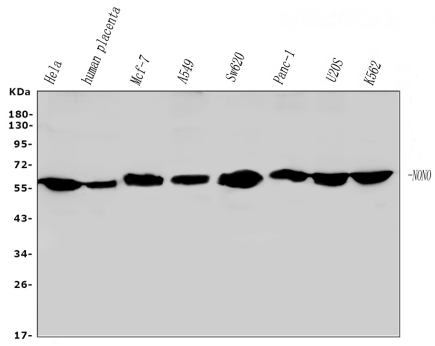
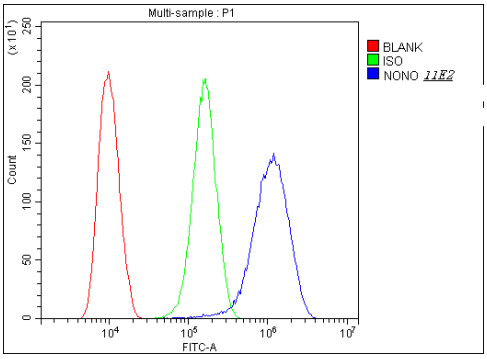
Selected Validation Data



Western blot analysis of NONO using anti-NONO antibody (M03515). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human HELA whole cell lysates,
Lane 2: human Placent tissue lysates,
Lane 3: human MCF-7 whole cell lysates,
Lane 4: human A549 whole cell lysates,
Lane 5: human SW620 whole cell lysates,
Lane 6: human PANC-1 whole cell lysates,
Lane 7: human U2OS whole cell lysates,
Lane 8: human K562 whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with mouse anti-NONO antigen affinity purified monoclonal antibody (M03515) at a dilution of 1:1000 and probed with a goat anti-mouse IgG-HRP secondary antibody (Catalog # BA1050). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for NONO at approximately 60 kDa. The expected band size for NONO is at 54 kDa.



Flow Cytometry analysis of U2OS cells using anti-nmt55 p54nrb antibody (M03515).Overlay histogram showing U2OS cells stained with M03515 (Blue line).The cells were blocked with 10% normal goat serum. And then incubated with mouse anti-nmt55 p54nrb Antibody (M03515, 1:100) for 30 min at 20°C. Fluoro®488 conjugated goat anti-mouse IgG (BA1126, 1:100) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was mouse IgG (1:100) used under the same conditions. Unlabelled sample (Red line) was also used as a control.

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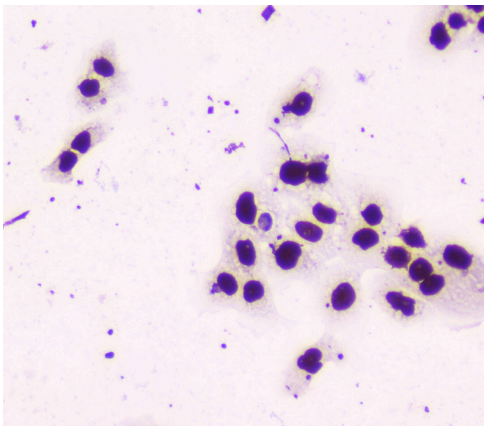

ICC analysis of NONO using anti- NONO antibody (M03515). NONO was detected in an immunocytochemical section of A431 cells. The section was incubated with mouse anti-NONO Antibody (M03515) at a dilution of 1:100. Biotinylated goat anti-mouse IgG was used as secondary antibody. The section was developed using Strepavidin-Biotin-Complex (SABC)(Catalog # SA1021) with DAB (Catalog # AR1027) as the chromogen.