

Anti-Nup98 Monoclonal Antibody

Catalog Number: M01301-1

About NUP98

TRPC6, also known as TRP6, short transient receptor potential channel 6 and transient receptor potential cation channel subfamily C member 6, is thought to form a receptor-activated non-selective calcium permeant cation channel. TRPC6 is probably operated by a phosphatidylinositol second messenger system activated by receptor tyrosine kinases or G-protein coupled receptors. It is activated by diacylglycerol (DAG) in a membrane-delimited fashion, independently of protein kinase C and may not to be activated by intracellular calcium store depletion. Defects in this gene are a cause of focal segmental glomerulosclerosis (FSGS). Expression of this protein has been reported in tissues such as placenta, lung, spleen, ovary, small intestine, and renal podocytes. Immunohistochemistry studies using polyclonal antibodies to this target have shown moderate to strong staining in cell types such as neurons, breast, respiratory, squamous and prostate epithelium, epidermis, placental trophoblasts, dendritic cells, and subsets of immune cells, and faint to moderate staining of adrenal, colon, ganglion cells, hepatocytes, heart, and testis.

Overview

Product Name	Anti-Nup98 Monoclonal Antibody
Reactive Species	Canine, Human, Mouse
Description	Boster Bio Anti-Nup98 Monoclonal Antibody catalog # M01301-1. Tested in WB applications. This antibody reacts with Canine, Human, Mouse.
Application	WB
Clonality	Monoclonal 4H4
Formulation	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol.
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	Mouse
Uniprot ID	P52948

Technical Details

Immunogen	Purified recombinant human Nup98 protein fragments expressed in E.coli.
Predicted Reactive Species	Chimpanzee
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG
Form	Liquid

Concentration	1 mg/ml
Purification	Affinity purification
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>WB 1:1000-1:2000</p>

Anti-Nup98 Monoclonal Antibody (M01301-1) Images

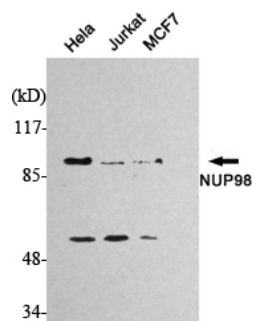


Figure 1. Western blotting validation for Anti-Nup98 Monoclonal Antibody M01301-1

Western Blot (WB) analysis using Nup98 Monoclonal Antibody against HeLa

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