Small nuclear ribonucleoprotein G Polyclonal Antibody

Catalog No: #42264

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Description

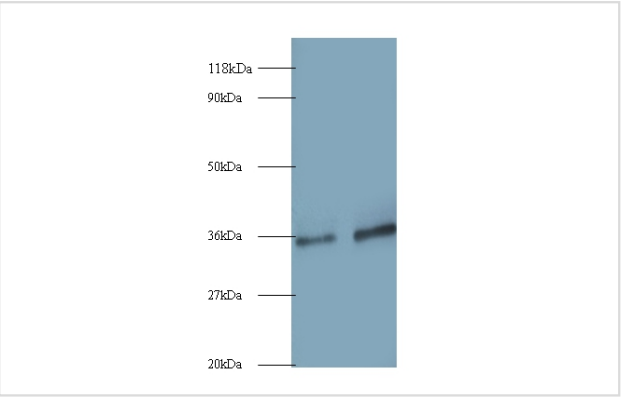
Product Name	Small nuclear ribonucleoprotein G Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total Small nuclear ribonucleoprotein G polyclonal antibody.
Immunogen Type	protein
Immunogen Description	Recombinant human Small nuclear ribonucleoprotein G protein
Target Name	Small nuclear ribonucleoprotein G
Other Names	snRNP-G, Sm protein G, Sm-G, SmG
Accession No.	Swiss-Prot#: P62308
Uniprot	P62308
GeneID	6637;
Calculated MW	8.4kd
Formulation	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Storage	Store at -20°C

Application Details

Western blotting: 1:500 - 1:1000

Immunohistochemistry: 1:20 - 1:200

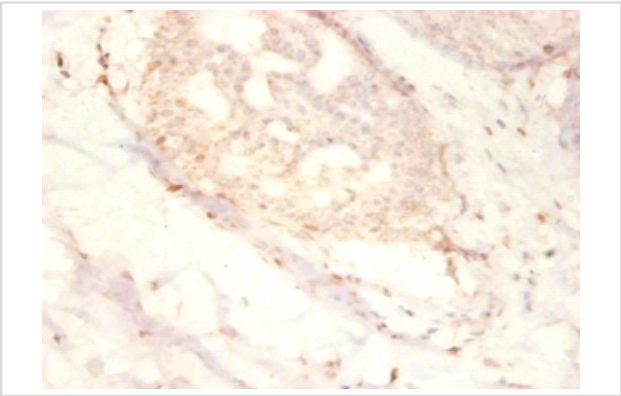
Images



All lanes : Small nuclear ribonucleoprotein G antibody at 2ug/ml Lane 1 : EC109whole cell lysate
Lane 2 : 293T whole cell lysate

Secondary
Goat polyclonal to Rabbit IgG at 1/15000 dilution

Predicted band size : 8.4 kDa
Observed band size : 36 kDa



Immunohistochemical analysis of paraffin-embeded human mammary gland using #42264 at dilution of 1:50.

Background

Appears to function in the U7 snRNP complex that is involved in histone 3'-end processing. Associated with snRNP U1, U2, U4/U6 and U5.Component of the heptameric ring U7 snRNP complex, or U7 Sm protein core complex, at least composed of LSM10, LSM11, SNRPB, SNRPD3, SNRPE, SNRPF, SNRPG and U7 snRNA. Formation of the U7 snRNP is an ATP-dependent process mediated by a specialized SMN complex containing at least the Sm protein core complex and additionally, the U7-specific LSM10 and LSM11 proteins. Identified in the spliceosome C complex. Component of the U11/U12 snRNPs that are part of the U12-type spliceosome. Interacts with TACC1.

References

[1]"snRNP Sm proteins share two evolutionarily conserved sequence motifs which are involved in Sm protein-protein interactions." Hermann H., Fabrizio P., Raker V.A., Foulaki K., Hornig H., Brahms H., Luehrmann R. EMBO J. 14:2076-2088(1995) [2]"Cloning

Note: This product is for in vitro research use only