



N33 Polyclonal Antibody

Catalog No	YP-Ab-00458
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	TUSC3
Immunogen	The antiserum was produced against synthesized peptide derived from human TUSC3. AA range:131-180
Specificity	N33 Polyclonal Antibody detects endogenous levels of N33 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	M33;MRT7;N33;OST3A;Protein N33;tumor suppressor candidate 3;TUSC3; Magnesium uptake/transporter TUSC3
Observed Band	39kD
Calculated Molecular Weight	39kD
Cell Pathway	Endoplasmic reticulum membrane ; Multi-pass membrane protein .
Tissue Specificity	Expressed in most non-lymphoid cells and tissues examined, including prostate, lung, liver, colon, heart, kidney and pancreas.
Function	disease:Defects in TUSC3 are the cause of mental retardation non-syndromic autosomal recessive type 7 (MRT7) [MIM:611093]. Mental retardation is characterized by significantly sub-average general intellectual functioning associated with impairments in adaptative behavior and manifested during the developmental period. Non-syndromic mental retardation patients do not manifest other clinical signs.,function:May be involved in N-glycosylation through its association with N-oligosaccharyl transferase.,similarity:Belongs to the OST3/OST6 family.,subunit:Weakly associates with the oligosaccharyl transferase (OST) complex which contains at least RPN1/ribophorin I, RPN2/ribophorin II,



OST48, DAD1, and either STT3A or STT3B.,tissue specificity:Expressed in most non-lymphoid cells and tissues examined, including prostate, lung, liver, colon, heart, kidney and pancreas.,

Background

This gene is a candidate tumor suppressor gene. It is located within a homozygously deleted region of a metastatic prostate cancer. The gene is expressed in most nonlymphoid human tissues including prostate, lung, liver, and colon. Expression was also detected in many epithelial tumor cell lines. Two transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008],

matters needing attention

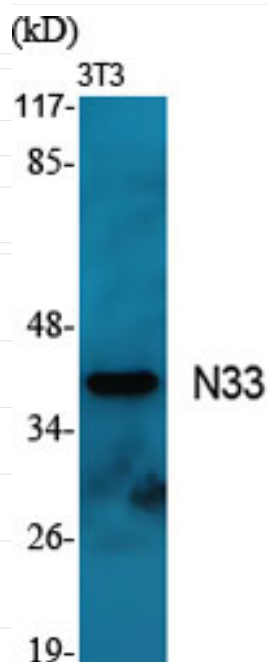
Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



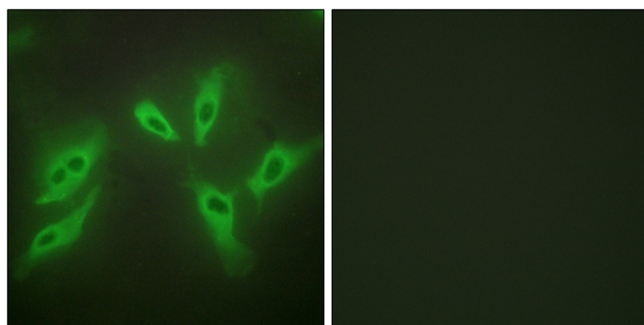
Products Images



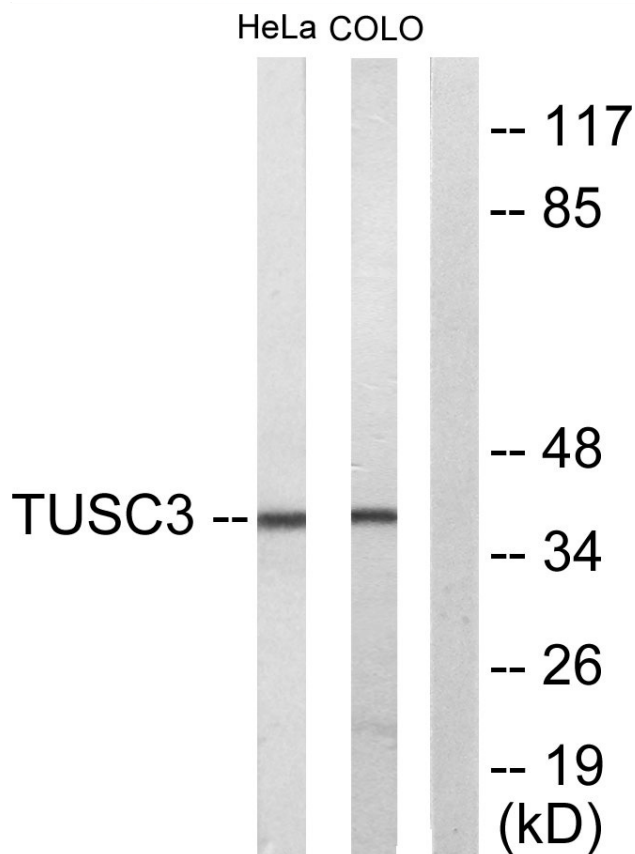
Western Blot analysis of various cells using N33
Polyclonal Antibody



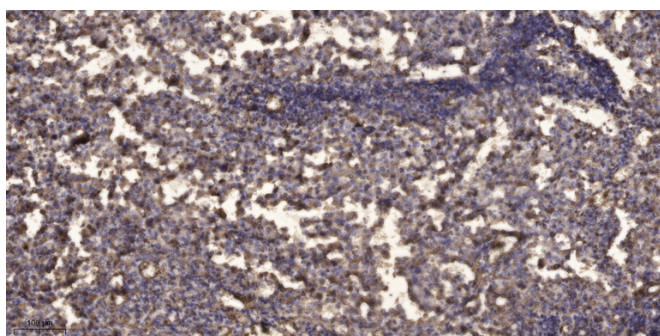
Western Blot analysis of HeLa cells using N33
Polyclonal Antibody



Immunofluorescence analysis of HeLa cells using TUSC3 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from COLO205 and HeLa cells, using TUSC3 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human Squamous cell carcinoma of lung. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200(room temperature, 45min).