

Anti-Apoptosis (FUS/TLS) Autoantibody [LHC7.15]

Catalogue number: 157699

Sub-type: Primary antibody

Images:

Contributor

Inventor: Marko Radic

Institute: The University of Tennessee Health Science Center (UTHSC)

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-Apoptosis (FUS/TLS) Autoantibody [LHC7.15]

Alternate name:

Class: Monoclonal

Conjugate: Unconjugated

Description: The TAM^{+/+} mouse model (triple homozygous deletions of the Mer, Axl, and Tyro3 receptor tyrosine kinases) has delayed apoptotic cell clearance which causes the production of autoantibodies and autoimmune disease in these mice. The FUS/TLS monoclonal antibody is produced from a spontaneous splenic B cell hybridoma generated from the TAM^{+/+} mouse. FUS/TLS binds DNA, RNA, and ribonucleoprotein in the nucleus and the cytoplasm of live and apoptotic cells. FUS/TLS is involved gene expression, genomic integrity and mRNA processing including pre-mRNA splicing and the export of mRNA to the cytoplasm. Mutations in this gene results in amyotrophic lateral sclerosis type 6 and liposarcoma.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype:

Reactivity: Human ; Mouse

Selectivity:

Host: Mouse

Immunogen: FUS_HUMAN

Immunogen UNIPROT ID:

FUS_HUMAN

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls: IgG2a

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: hnRNP-P2-TLS, FUS

Target alternate names:

Target background: The TAM-/- mouse model (triple homozygous deletions of the Mer, Axl, and Tyro3 receptor tyrosine kinases) has delayed apoptotic cell clearance which causes the production of autoantibodies and autoimmune disease in these mice. The FUS/TLS monoclonal antibody is produced from a spontaneous splenic B cell hybridoma generated from the TAM-/- mouse. FUS/TLS binds DNA, RNA, and ribonucleoprotein in the nucleus and the cytoplasm of live and apoptotic cells. FUS/TLS is involved gene expression, genomic integrity and mRNA processing including pre-mRNA splicing and the export of mRNA to the cytoplasm. Mutations in this gene results in amyotrophic lateral sclerosis type 6 and liposarcoma.

Molecular weight: 65 kDa

Ic50:

Applications

Application: IF ; WB

Application notes:

Handling

Format: Liquid

Concentration:

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer:

Storage conditions:

Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References:

CancerTools.org