

Mouse Monoclonal Antibody to XRN2

Purified Mouse Monoclonal Antibody Catalog # AO2346a

Product Information

Application WB, IHC, E **Primary Accession Q9H0D6** Reactivity Human Host Mouse Clonality Monoclonal **Clone Names** 7C5B10 Isotype Mouse IgG1 **Calculated MW** 108582

Description This gene encodes a 5'-3' exonuclease that promotes transcription

termination at cotranscriptional cleavage sites. Alternative splicing results in

multiple transcript variants encoding different isoforms.;

Immunogen Purified recombinant fragment of human XRN2 (AA: 398-547) expressed in E.

Coli.

Formulation Purified antibody in PBS with 0.05% sodium azide

Application Note ELISA: 1/10000; WB: 1/500 - 1/2000; IHC: 1/200 - 1/1000;

Additional Information

Gene ID 22803

Other Names 5'-3' exoribonuclease 2, 3.1.13.-, DHM1-like protein, DHP protein, XRN2

Dilution WB~~1:1000 IHC~~1:100~500 E~~N/A

Storage Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

PrecautionsMouse Monoclonal Antibody to XRN2 is for research use only and not for use

in diagnostic or therapeutic procedures.

Protein Information

Name XRN2

Function Possesses 5'->3' exoribonuclease activity (By similarity). May promote the

termination of transcription by RNA polymerase II. During transcription

termination, cleavage at the polyadenylation site liberates a 5' fragment which

is subsequently processed to form the mature mRNA and a 3' fragment which remains attached to the elongating polymerase. The processive degradation of this 3' fragment by this protein may promote termination of transcription. Binds to RNA polymerase II (RNAp II) transcription termination R-loops formed by G- rich pause sites (PubMed: 21700224).

Cellular Location

Nucleus, nucleolus.

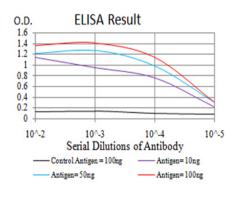
Tissue Location

Expressed in the spleen, thymus, prostate, testis, ovary, small intestine, colon, peripheral blood leukocytes, heart, brain, placenta, lung, liver, skeletal muscle, kidney, and pancreas Isoform 2 is expressed predominantly in peripheral blood leukocytes

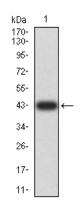
References

1.EMBO J. 2012 May 30;31(11):2566-78.; 2.DNA Seq. 2005 Apr;16(2):143-6.;

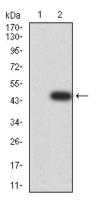
Images



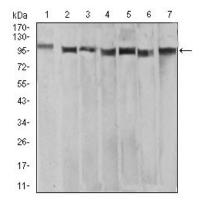
Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



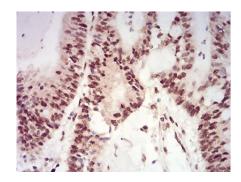
Western blot analysis using XRN2 mAb against human XRN2 (AA: 398-547) recombinant protein. (Expected MW is 43.1 kDa)



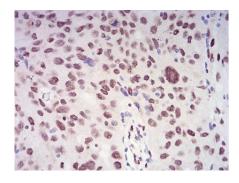
Western blot analysis using XRN2 mAb against HEK293 (1) and XRN2 (AA: 398-547)-hIgGFc transfected HEK293 (2) cell lysate.



Western blot analysis using XRN2 mouse mAb against Raw264.7 (1), HEK293 (2), NTERA-2 (3), LNcap (4), HepG2 (5), HEK293 (6), and Hela (7) cell lysate.



Immunohistochemical analysis of paraffin-embedded colon cancer tissues using XRN2 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded ovarian cancer tissues using XRN2 mouse mAb with DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.