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Anti-XRN2 Antibody

Rabbit polyclonal antibody to XRN2
Catalog # AP60693

Product Information

Application	WB, IHC
Primary Accession	Q9H0D6
Other Accession	Q9DBR1
Reactivity	Human, Mouse, Zebrafish, Monkey, Chicken, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	108582

Additional Information

Gene ID	22803
Other Names	5'-3' exoribonuclease 2; DHM1-like protein; DHP protein
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human XRN2. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200) IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

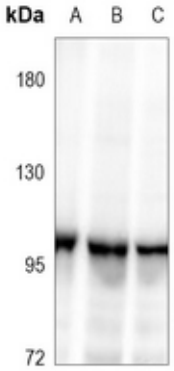
Name	XRN2
Function	Possesses 5'->3' exoribonuclease activity (By similarity). May promote the termination of transcription by RNA polymerase II. During transcription termination, cleavage at the polyadenylation site liberates a 5' fragment which is subsequently processed to form the mature mRNA and a 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

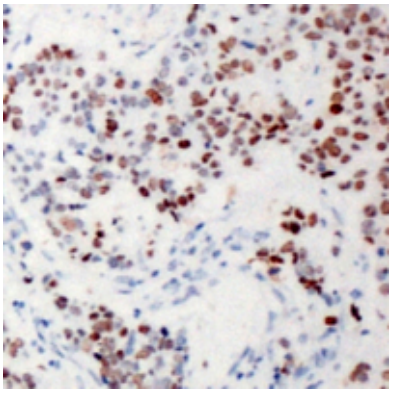
Background

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human XRN2. The exact sequence is proprietary.

Images



Western blot analysis of XRN2 expression in SKOVCAR3 (A), LO2 (B), A549 (C) whole cell lysates.



Immunohistochemical analysis of XRN2 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.