

Mouse anti-Human XRN2 Monoclonal Antibody | anti-XRN2 antibody

XRN2 Antibody

CATALOG # AAA312049	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

XRN2; Monoclonal Antibody; XRN2 Antibody; 5' 3' exoribonuclease 2 antibody; DHM1 like protein antibody; DHP protein antibody; XRN 2 antibody; anti-XRN2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-XRN2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



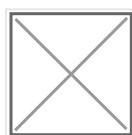
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human ovarian cancer tissue using anti-XRN2 antibody. Counter stained with hematoxylin.



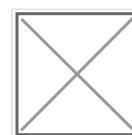
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-XRN2 antibody. Counter stained with hematoxylin.



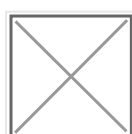
WB (Western Blot)

Western blot analysis of XRN2 on different cell lysate using anti-XRN2 antibody at 1/1, 000 dilution. Positive control: Lane1: Raw264.7 Lane2: HEK293 Lane3: NTERA-2 Lane4: LNCap Lane5: HepG2 Lane6: HEK293 Lane7: HeLa



WB (Western Blot)

Western blot analysis of XRN2 on HEK293 (1) and XRN2-hlgGfC transfected HEK293 (2) cell lysate using anti-XRN2 antibody at 1/1, 000 dilution.



WB (Western Blot)

Western blot analysis of XRN2 on human XRN2 recombinant protein using anti-XRN2 antibody at 1/1, 000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-XRN2 antibody	Degradation of mRNA is a critical aspect of gene expression that occurs via the exoribonuclease. Exoribonuclease 2 (XRN2) is the human homologue of the Saccharomyces cerevisiae RAT1, which functions as a nuclear 5' to 3' exoribonuclease and is essential for mRNA turnover and cell viability. XRN2 also processes rRNAs and small nucleolar RNAs (snoRNAs) in the nucleus. XRN2 moves along with RNA polymerase II and gains access to the nascent RNA transcript after the endonucleolytic cleavage at the poly (A) site or at a second cotranscriptional cleavage site (CoTC). CoTC is an autocatalytic RNA structure that undergoes rapid self-cleavage and acts as a precursor to termination by presenting a free RNA 5' end to be recognized by XRN2. XRN2 then travels in a 5'-3' direction like a guided torpedo and facilitates the dissociation of the RNA polymerase elongation complex.
Product Categories/Family for anti-XRN2 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	18860916
NCBI GeneID	22803
NCBI Accession #	NP_036387.2
NCBI GenBank Nucleotide #	NM_012255.3
UniProt Accession #	Q9H0D6; Q3L8N4; Q6KGZ9; Q9BQL1; Q9NTW0; Q9NXS6; Q9UL53
Molecular Weight	108,582 Da
NCBI Official Full Name	5'-3' exoribonuclease 2
NCBI Official Synonym Full Names	5'-3' exoribonuclease 2
NCBI Official Symbol	XRN2
NCBI Protein Information	5'-3' exoribonuclease 2; DHP protein; Dhml1-like protein (mouse homolog)
UniProt Protein Name	5'-3' exoribonuclease 2
UniProt Gene Name	XRN2
UniProt Synonym Gene Names	DHP protein
UniProt Entry Name	XRN2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/xrn2-antibody-immunohistochemistry-western-blot-elisa/312049>