Anti-XRN1 antibody

Cat. No.	ml163180
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Product overview

Description	Anti-XRN1 rabbit polyclonal antibody
Applications	ELISA, WB, IHC
Immunogen	Synthetic peptide of human XRN1
Reactivity	Human, Mouse
Content	0.5 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	XRN1
Full name	5'-3' exoribonuclease 1
Synonyms	SEP1
Swissprot	Q8IZH2

Target Background

This gene encodes a member of the 5'-3' exonuclease family. The encoded protein may be involved in replication-dependent histone mRNA degradation, and interacts directly with the enhancer of mRNA-decapping protein 4. In addition to mRNA metabolism, a similar protein in yeast has been implicated in a variety of nuclear and cytoplasmic functions, including homologous recombination, meiosis, telomere maintenance, and microtubule assembly. Mutations in this gene are associated with osteosarcoma, suggesting that the encoded protein may also play a role in bone formation. Alternative splicing results in multiple transcript variants.
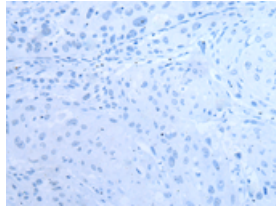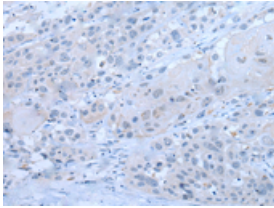
Applications

Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human esophagus cancer

Recommended dilution: 10-50

Predicted cell location: Cytoplasm

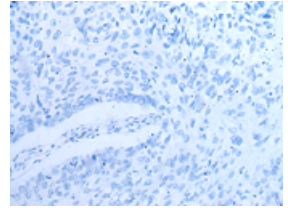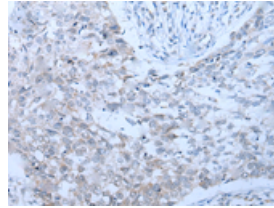Positive control: Human lung cancer

Recommended dilution: 10-50

The image on the left is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using ml163180(XRN1 Antibody) at dilution 1/25, on the right is treated with synthetic peptide. (Original magnification: ×200)

The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using ml163180(XRN1 Antibody) at dilution 1/25, on the right is treated with synthetic peptide. (Original magnification: ×200)

Western blotting

Predicted band size:194 kDa

Positive control:Hela，231 and K562 cell lysates
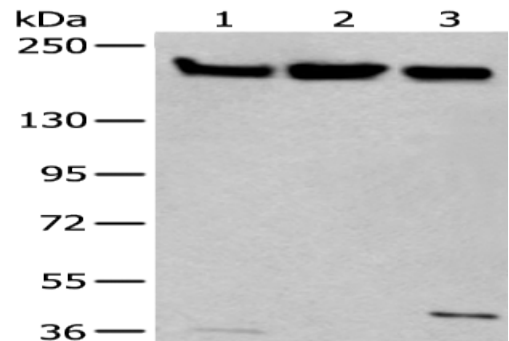
Recommended dilution: 500-2000

Gel: 6%SDS-PAGE

Lysate: 40 μg

Lane 1-3: Hela，231 and K562 cell lysates

Primary antibody: ml163180(XRN1 Antibody) at dilution 1/250

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 2 minutes

ELISA

Recommended dilution: 5000-10000

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