

Mouse anti-Human XRN1 Monoclonal Antibody | anti-XRN1 antibody

XRN1 Antibody

CATALOG # AAA290616	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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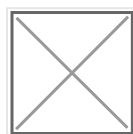
PRODUCT SYNONYMS

XRN1; Monoclonal Antibody; XRN1 Antibody; Purified Mouse Monoclonal Antibody (Mab); 5'-3' exoribonuclease 1; 3.1.13.-; Strand-exchange protein 1 homolog; SEP1; anti-XRN1 antibody

PRODUCT SPECIFICATIONS

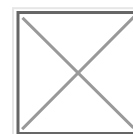
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	1647CT536.85.48
Specificity	This XRN1 antibody is generated from a mouse immunized with arecombinant protein between1455-1706 amino acids from human XRN1.
Form/Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Sequence Length	1694
Applicable Applications for anti-XRN1 antibody	ELISA, WB (Western Blot)
Cellular Location	Cytoplasm Note=Discrete foci at the inner surface of the cell membrane
Tissue Location	Expressed in heart, brain, pancreas, spleen, testis, osteogenic sarcoma (OGS) biopsy and primary cell lines
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

All lanes : Anti-XRN1 Antibody at 1:2000 dilutionLane 1: K562 whole cell lysateLane 2: MCF-7 whole cell lysateLysates/proteins at 20 ug per lane.SecondaryGoat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.Predicted band size : 194 kDaBlocking/Dilution buffer: 5% NFDm/TBST.



WB (Western Blot)

All lanes : Anti-XRN1 Antibody at 1:2000 dilutionLane 1: K562 whole cell lysateLane 2: MCF-7 whole cell lysateLysates/proteins at 20 ug per lane.SecondaryGoat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.Predicted band size : 194 kDaBlocking/Dilution buffer: 5% NFDm/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-XRN1 antibody

Major 5'-3' exoribonuclease involved in mRNA decay. Required for the 5'-3'-processing of the G4 tetraplex-containing DNA and RNA substrates. The kinetic of hydrolysis is faster for G4 RNA tetraplex than for G4 DNA tetraplex and monomeric RNA tetraplex. Binds to RNA and DNA (By similarity). Plays a role in replication-dependent histone mRNA degradation. May act as a tumor suppressor protein in osteogenic sarcoma (OGS).

Product Categories/Family for anti-XRN1 antibody	Crown Antibodies
References	Shimoyama Y.,et al.Neuroscience 121:899-906(2003). Bechtel S.,et al.BMC Genomics 8:399-399(2007). Ota T.,et al.Nat. Genet. 36:40-45(2004). Sato Y.,et al.DNA Res. 5:241-246(1998). Lejeune F.,et al.Mol. Cell 12:675-687(2003).

NCBI AND UNIPROT INFORMATION

NCBI GI #	544583596
NCBI GeneID	54464
NCBI Accession #	NP_001269786.1
NCBI GenBank Nucleotide #	NM_001282857.1
UniProt Accession #	Q8IZH2; Q4G0S3; Q68D88; Q6AI24; Q6MZS8; Q86WS7; Q8N8U4; Q9UF39
Molecular Weight	194107
NCBI Official Full Name	5'-3' exoribonuclease 1 isoform c
NCBI Official Synonym Full Names	5'-3' exoribonuclease 1
NCBI Official Symbol	XRN1
NCBI Official Synonym Symbols	SEP1
NCBI Protein Information	5'-3' exoribonuclease 1
UniProt Protein Name	5'-3' exoribonuclease 1
UniProt Gene Name	XRN1
UniProt Synonym Gene Names	SEP1
UniProt Entry Name	XRN1_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/xrn1-antibody-clone-1647ct536-85-48-western-blot-elisa/290616>