

Rabbit C10orf2 Polyclonal Antibody | anti-C10orf2 antibody

C10orf2 Polyclonal Antibody

CATALOG # AAA280237	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

C10orf2; Polyclonal Antibody; C10orf2 Polyclonal Antibody; PEO; PEO1; SCA8; ATXN8; IOSCA; PEOA3; SANDO; TWINL; MTDPS7; anti-C10orf2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.09% Sodium azide, 50% glycerol, pH7.3.
Concentration	1mg/ml (varies by lot)
Sequence Length	684
Applicable Applications for anti-C10orf2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human C10orf2
Calculated Molecular Weight	77kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of A549 cells using C10orf2 antibody. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of MCF-7 cells, using C10orf2 Antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-C10orf2 antibody	This gene encodes a hexameric DNA helicase which unwinds short stretches of double-stranded DNA in the 5' to 3' direction and, along with mitochondrial single-stranded DNA binding protein and mtDNA polymerase gamma, is thought to play a key role in mtDNA replication. The protein localizes to the mitochondrial matrix and mitochondrial nucleoids. Mutations in this gene cause infantile onset spinocerebellar ataxia (IOSCA) and progressive external ophthalmoplegia (PEO) and are also associated with several mitochondrial depletion syndromes. Alternative splicing results in multiple transcript variants encoding distinct isoforms.
Product Categories/Family for anti-C10orf2 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	74752111
NCBI GeneID	56652
UniProt Accession #	Q96RR1; Q6MZX2; Q6PJP5; Q96RR0; B2CQL2
Molecular Weight	684
NCBI Official Full Name	Twinkle protein, mitochondrial
NCBI Official Synonym Full Names	chromosome 10 open reading frame 2
NCBI Official Symbol	C10orf2
NCBI Official Synonym Symbols	PEO; PEO1; SCA8; ATXN8; IOSCA; PEOA3; SANDO; TWINL; MTDPS7; PRLTS5
NCBI Protein Information	twinkle protein, mitochondrial; ataxin 8; mitochondrial twinkle protein; T7-like mitochondrial DNA helicase; progressive external ophthalmoplegia 1 protein; T7 gp4-like protein with intramitochondrial nucleoid localization; T7 helicase-related protein with intramitochondrial nucleoid localization
UniProt Protein Name	Twinkle protein, mitochondrial
UniProt Gene Name	PEO1
UniProt Synonym Gene Names	C10orf2
UniProt Entry Name	PEO1_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/polyclonal/c10orf2-antibody-immunohistochemistry-western-blot-elisa/280237>